Board of Trade Journal

OHIO STATE UNIVERSITY

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Research in Industry

Industry's Opportunity to Apply Radar to Peacetime Needs

By SIR ROBERT WATSON-WATT, C.B., LL.D., F.R.S.

This article is the nineteenth and last in the series on Research in Industry published in the Board of Trade Journal *in co-operation with the Department of Scientific and Industrial Research, of Park House, 24 Rutland Gate, London, S.W.7. It is published as an information service to industry, and should not be regarded as containing statements of government policy.*

THERE is an element of unreality in writing about radar as a thing-in-itself in this series of articles on industrial research and on the part of science in industry. Much of what has to be said about radar has already been written in the articles on the broader subjects of Electronics in Industry and on Light Engineering ; much of what was said in these articles was based on experience gained in the development and application of radar devices in war. In particular the growth and recognition of operational research was a consequence of wartime radar development and it remains to be adequately exploited in peace. It might well have grown out of a technical environment other than the radar one, but it could only have grown out of projects of exceptional novelty and urgency within the framework of an old-established "industry," in this case the defence industry.

Modern Scientific Aids

Once evolved and understood, operational research is concerned with the extension of modern scientific aids to established industries. In all light engineering, in all the applications of electronics to industry generally, and in the application of radar in particular to the universal communications which are both the circulatory and the nervous systems of the body of world commerce, the ascertainment of the real need of the potential user is of first importance. It can only be achieved, with certainty and economy, if the operational researcher is given freedom to co-operate freely and intimately with those engaged in the everyday operations of the industry in the vital task of converting aspirations into specifications. When the specifications have, with his help, been converted into tools, the same co-operation in the plant is no less necessary to the moulding of team and tools into an efficiently productive process unit.

It might too easily have been assumed that operational research is only a military need and that the wealth of facilities, finance and fertile brains at the disposal of military radar in the war had produced, at best, equipments already suited to the closely related needs of civil transport by sea and air or, at worst, clean-cut requirements to which the civil counterparts of military radar sets could be designed and built.

Factors Involved

These easy assumptions are not borne out because of many independent sets of factors. First that the economics of war are set on a different order of magnitude, and to vastly wider tolerances, than the economics of peace ; second that the very wealth of ingenuity behind wartime radar had ensured that every military radar set was already obsolete before it came off the assembly line and third that the civil requirements for radar place a greater emphasis on factors such as continuous reliability and safety, and on economy of purchase, maintenance and operation.

Wartime Experience

The radar industry grew up during the war in response to military requirements and had behind it practically unlimited military funds. Its operational specifications were usually provided by the government experimental establishments who in turn employed large staffs, while the cost of equipment to the consumer was balanced against lives and time saved

rather than examined in terms of hard cash. In peacetime the radar industry has for the first time to face internal competition among its own members, and has to serve some customers who are not wholly clear what they want and who examine the costs carefully with some remaining reluctance to weigh consequent advantages against cash cost.

Another obvious difficulty in peace is that the military production demands have fallen while the civil market in most cases is small in comparison to the wartime demands.

Taken all in all, these factors will combine to make the profitable emergence of the radar industry into the civil field slow and painful.

With regard to civil transport, there is another set of factors, even less tractable, delaying the universally expected flood of radar aids. These factors affect even marine radar, but they are so completely dominant—one is almost driven to say so disastrously dominant—in air radar that they will be outlined in the air case only. The essentially international character of civil air transport makes it technically, organizationally and economically essential to have international agreement on the characteristics of radar equipment for civil air use. These characteristics are determined in turn by the characteristics of the aircraft, by the topographic, physical and political configuration of all the routes flown, and by the detailed systems of air traffic control called for by the traffic densities in different areas with widely differing commercial demands. These, in turn, are subject to violent and scarcely predictable variations with the political and economic state of the world. The technical solutions acceptable are, to a not inconsiderable extent, affected by national modes of thought and by considerations of national prestige, honestly and deeply held, sometimes rooted in the subconscious mind !

Ascertaining Operational Requirements

The scientific research primarily required for the healthy growth of the radar industry, and consequently of the greater industries which are dependent on it to an extent not at all proportioned to costs, is not at this moment basic or instrumental research in radio and radar itself, but it is no less scientific research and no less industrial research because of that. The scientific and technical development work required is clearly definable and it depends in part on research and development in a wide range of ancillary or contributory industries. What are the existing provisions for research and development towards meeting the needs of the customers of the radar industry ?

The ascertainment of the operational requirement needs, as has been indicated, the application of scientific method, and of a kind of scientific brokerage, through operational research within the user industries. In the marine radar field this is in considerable measure provided by the Ministry of Transport through its committees on radio aids to marine navigation, its scientific advisers and scientific staff, its operational research officers in particular, and through the instrumental research and development staff which it sponsors and uses within the Admiralty Signals Establishment for the specific service of merchant navy needs.

The Ministry took the initiative in fostering Commonwealth and fully international co-operation towards the clearest appreciation of needs and fullest availability of means in the field of radio aids to marine navigation by convening the first Commonwealth and Empire Conference on Radio Aids to Marine Navigation, and the first international meeting on radio aids to marine navigation, and by circulating Commonwealth and International News Letters on these subjects.

Civil Aviation Field

In the civil air field the Directorate General of Civil Aviation within the Air Ministry had already, in wartime, taken pioneer action in the setting up of a Civil Air Radio Advisory Committee as a joint committee of the Air Ministry and the then Ministry of Aircraft Production and in instituting a series of Commonwealth and Empire Conferences on Radio for Civil Aviation. The Ministry of Civil Aviation and the Commonwealth Air Transport Council, with the Ministry of Supply, have maintained and extended these provisions for discussion, particularly in the direction of more direct participation by the radar industry itself. This Ministry also has its own Chief Telecommunications Adviser, and operational research group in close touch with the Chief Scientific Adviser, and a very large executive organization for the provision of the ground radio and radar facilities which are a direct responsibility of the state.

The three air operating Corporations have development organizations which include indispensable and invaluable contributors to the research and development needs of radar for international use in the air.

The major governmental responsibility for the direct conduct of radar research and development for air use for the encouragement of development within the radio industry, and for the guidance of production in the field of nationally or internationally standardized systems of radio aids to air navigation is carried by the Ministry of Supply. The Ministry's Directorate of Communications Development is responsible for the work of the two research establishments primarily concerned, the Telecommunications Research Establishment at Great Malvern and the Radio Department of the Royal Aircraft Establishment at Farnborough, Hants. The Directorate also has the heavy responsibility of allocating research and development contracts among the industrial laboratories of the firms producing radar equipment.

Progress by Individual Firms

The individual firms in the radar manufacturing industry maintain good and progressively improving research and development laboratories. In wartime they were largely dependent on the governmental radar research and development establishments, a dependence which was inevitable till they learned to stand on their own feet, but which always involved the danger of their being tied too closely by departmental apron strings. It may be that the healthy spirit of independence in peacetime has gone beyond the optimum point, and that a greater measure of technical co-operation within the industry itself would better serve the cause of the home user and of the export drive, without real impairment of competitive positions within the national industry.

The Radio Communication and Electronic Engineering Association, within the wider sphere of the Radio Industry Council, has done valuable service to the development of radar for peacetime use, and it has great opportunities for a statesmanlike extension of its co-operative spirit. No informed observer will pretend that the governmental provisions for full consultation with the radar industry are yet adequately generous and productive. A re-appreciation in the light of our present economic and technical situation would be timely and fertile.

In the international sphere the Ministries of Civil Aviation and Supply, with representatives of the operating corporations, of the radio manufacturers' organization and of the pilots, navigators and officers concerned, participate in the technical and organizational discussions of the International Civil Aviation Organization, while work of comparable importance and difficulty is undertaken by the International Air Transport Association, comprising the principal air operating companies and corporations of the world.

Research Structure

This relatively elaborate structure for research, development provision and operation depends for its future stability on the same foundations as did the wartime radar industry. Fundamental and " academic " research in the Universities, basic research in the national organization for radio research under the Department of Scientific and Industrial Research, on the advice of the Radio Research Board, are vital to progress. The development of better materials and components for electronic equipment in general is similarly dependent on a still wider range of fundamental researches, and the radar industry anxiously awaits the advent of components with still more closely specified electrical and magnetic properties, with smaller deviations from the mean, less dependence on temperature and other environment factors, closer control of desired temperature coefficients and the like, with higher stable running temperature ratings, with higher load ratings and of smaller bulk and weight.

The national gains from a radar industry based on good research and development, and served by scientific engineering minds second to none in the world are not to be measured by the direct earnings of the industry. More than any other nation in the world, the United Kingdom is dependent on safe, expeditious, regular and economical transport by sea and air, and the radar contribution to these ends will be of vastly greater economic magnitude than will be the mere sales accounts for the equipments making that contribution.

HOME NEWS SECTION

Coupons for Making Men's Outsize Suits

THE Board of Trade wish to make it clear that no tailor or manufacturer of men's clothing need be deterred from accepting orders for outsize suits (whether bespoke or ready-made) by reason of the loss of coupons involved in making such garments.

Clothing manufacturers or tailors whose coupon resources are reduced by the necessary use of materials in excess of the coupon value of the garments made by them may apply to the Board for a grant of coupons if their total coupon resources become so depleted as to prejudice the maintenance of business.

Applications should be addressed to Assistant Secretary, Board of Trade, IM 2A, Horseferry House, London, S.W.1.

Change of Address

The Export Promotion Department of the Board of Trade is removing from 35 Old Queen Street.

From April 3 the address will be :—

The Board of Trade,
Export Promotion Department,
Thames House North,
Millbank,
London, S.W.1.

The telephone number will continue to be Victoria 9040, but the telegraphic address will be ADVANTAGE, LONDON.

Payments under War Damage Act

It was stated in the House of Commons that up to the end of February, 1948, the total amounts admitted and paid in respect of claims under Part II of the War Damage Act were as follows :—

	Admitted	Paid
	£ million	£ million
Business Scheme	89·8	35·7
Private Chattels Scheme ...	98·3	96·1*
Total	188·1	131·8*

* In addition, £20·7 million have been paid as interest and in supplementary payments under the Private Chattels Scheme.

National Film Production Council

THE membership of the National Film Production Council has been announced as follows :

Chairman : The President of the Board of Trade.

Sir Michael Balcon, Sir Henry L. French, Mr. Anthony Havelock-Allan, Sir Alexander Korda, Mr. J. Arthur Rank, representing British Film Producers' Association.

Mr. F. A. Hoare, Mr. E. H. Anstey, representing Association of Specialized Film Producers Ltd., Federation of Documentary Film Units, and British Short Film Makers' Society Ltd.

Mr. E. D. Mitchell, Mr. A. R. Bingaye, Mr. T. O'Brien, M.P., representing National Association of Theatrical and Kine Employees.

Mr. R. Bond, Mr. C. H. Elvin, representing Association of Cine Technicians.

Mr. W. Stevens, Mr. C. A. Thursby, representing Electrical Trades Union.

Secretary : Miss J. M. Brewster.

The first meeting of the Council was arranged for Tuesday, March 23, under the chairmanship of the President of the Board of Trade.

Raw Cotton Prices

The Raw Cotton Commission announce that as and from March 22, 1948 their issue prices of American type cotton are advanced by ·90d. to 1·50d. per pound for the Standard type cover quotation, while the basis for $1\frac{1}{16}$ ins. to $1\frac{1}{8}$ ins. American cotton is also advanced by ·20d. to ·50d. per pound.

For Egyptian type cotton the following increases are announced :—

	per lb.
Egyptian Cotton Standard type cover quotations advanced	11d. to 1s.
Sudan Cotton (Sakel type) cover quotations advanced	11d. to 1s.
East African BP. 52 cover quotations advanced	$7\frac{1}{2}$d.
West Indian Sea Island cover quotations advanced	7d.

In the case of Peruvian and Sudan (Zeidab) the cover quotations remain unchanged.

The increases announced now bring the Commission's selling prices in line with those at present ruling in the principal producing countries, and further adjustments either up or down will, from time to time, be made in order to keep prices in some relationship to those of foreign markets.

Copies of the new price lists may be obtained at the offices of the Raw Cotton Commission in Liverpool and Manchester.

American Capital and British Hotel Industry

In the House of Commons, the President of the Board of Trade, Mr. Harold Wilson, was asked about the investment of American capital in the British hotel and catering industry mentioned in the negotiations between the United Kingdom and the United States on the import of films from the United States.

One questioner asked what representations had been received from the hotel and catering industry regarding the necessity and desirability of the investment of American capital in British hotels, and another if the President would give details of the proposal that some part of the unexportable United States film earnings should be invested in British hotels ; and whether before permitting such investment and competition he would provide better facilities to enable existing British hotels to proceed with their rehabilitation and renewal of equipment.

The President replied that he had received no representations from the hotel and catering industries concerning the investment of American capital in British hotels, though he understood that certain hoteliers and hotel trade associations had made statements to the Press on the subject. He would certainly consult the hotel interests before any final decision was taken.

Meantime he could only say that the possibility of using non-exportable American film earnings to assist in the development of our tourist trade was mentioned merely as one of a number of possible outlets for any sums that so become available. Any project for the employment of such sums would be subject to the approval of a Control Committee composed of members of His Majesty's Government and the American Motion Picture Industry. The Government would certainly see that nothing was done which would unfairly prejudice the interests of our own industries.

Proposals for new construction or extensions would, of course, have to be considered in relation to any of the competing projects in the capital investment programme and neither in this matter nor in the provision of supplies could there be any discrimination as between foreign owned and British owned hotels. The President added that his Department had already provided for the hotel industry as many facilities in the renewal of equipment as could be spared.

Export Promotion

Service Provided by Banks can Aid Manufacturers who wish to Export

This article on banking facilities available to exporters is the eleventh in the series published in the Board of Trade Journal *on export promotion generally. It is contributed by Banking Information Service as an information service to industry and should not be read as containing statements of Government policy. Enquiries arising out of this article should be addressed to the Banking Information Service,* 3 *Lombard Street, London, E.C.*3. (*Telephone*: *Mansion House* 5710.)

Previous articles in the series appeared in the Board of Trade Journal *on January* 17, 24 *and* 31, *February* 7, 14, 21 *and* 28, *and March* 6, 13 *and* 20.

IT is proposed to describe in this article first, the scope of assistance and advice which the banks are able to offer the manufacturer, large and small, who is a newcomer to the export market in the various problems that will arise in this field, and then, more generally, to indicate the methods by which the banks arrange for the finance of export.

In every head office and large branch of the banks there is a specialized department related to the business of trade finance and to the assistance of exporters (and importers) upon every point that is likely to arise in connection with export and overseas trade generally.

Information is available to every bank manager in the country, and a representative of a manufacturing firm entrusted with the financial side and embarking upon the export of its particular product can do no better than to consult his bank and, best of all, to call on its head office or one of its large branches for advice upon markets and methods of setting up an export business.

The first question will be whether it is prudent or not for his firm to open up an export department. The banks provide useful guidance upon requirements for this purpose, but firms which find it unnecessary to develop a complete export section may prefer to be put in touch with export houses which specialize in a particular market.

Advice on Export Fields

The bank will advise also regarding suitable fields in which a given product may find its market; it will usually give the name or names of suitable firms in foreign countries who will buy or distribute it. There will be useful discussion, too, regarding the suitability of various types of goods to different parts of the world, seasons, methods of packing and other matters.

When required, the banks place their customers in touch with foreign Chambers of Commerce and Commercial Attaches, as well as organizations at home and British Chambers of Commerce abroad.

Where large contracts are being entered into many firms value information regarding the social conditions and requirements of the countries with which they are dealing.

Long-established links with foreign markets usually enable the banks, without responsibility, to provide the names of suitable agents overseas in case of need, for the purpose of expanding sales in a given country. The importance of appointing suitable agents or representatives and of avoiding the wiles of mere commission snatchers is obvious, both from the point of view of manufacturers and of the national interests. When, as a result of the agent's activities, orders are received from concerns whose standing may be unknown to the exporter, his bank may be valuable in ascertaining the financial status of the would-be purchaser through its Credit Information Section.

Not to be overlooked are the economic or social relations of a country and its particular exchange regulations; upon such points guidance may be sought.

Exchange Regulations

Regarding exchange regulations at home and overseas, the close contact of the clearing banks with the Bank of England and their knowledge of the complex details involved will save the prospective importer considerable trouble. The departments concerned make it their business to keep up to date with all the necessary regulations; indeed, they receive advance information from the Bank of England of those which are issued from time to time and study any regulations affecting the exporter that may be issued by Government Departments. In addition, their experts scan regulations issued by various foreign official publications that relate to imports overseas, such as restrictions, tariffs, etc.

Turning to the financial side, an exporting manufacturer may be faced with considerable initial expenditure in fabricating goods to specification without any guarantee from the buyer that the output will be taken over at an agreed price at the end of the production period; moreover, finance in such a case may be protracted. For overcoming such difficulties as these the banks have evolved a simple method in the use of bankers' credits. Here the overseas importer requests his banker to issue a letter of credit in favour of the exporter; this document should be so worded as to give the exporter full confidence that payment of the agreed amount will be effected upon production of the shipping documents for the export.

In an appropriate case, the credit can be worded to ensure that the merchandise shipped shall be of the quality and description which the importer expects to receive.

With the documents in his hands the exporter has an instrument which assures his banker that payment for the goods will be forthcoming in due course; this goes a long way towards enabling the exporter to obtain from his bank the finance he may need over the period of production.

The small manufacturer new to the export market in these days must appreciate at the outset that he is competing in a keen buyers' market. The effect of this is that in calculating whether the price he will receive is right he may have to allow for the time it will take for collecting payment from the buyer overseas. Thus the exporter must lock up the value of his shipment for the time it takes for the goods to reach their destination and until the return payment reaches this country.

Methods of Payments

The exporter will draw a bill of exchange on the overseas buyer which, in effect, orders his debtor upon his signature being inserted as an *acceptance* or acknowledgment of the debt to pay it as provided for in the bill which the exporter has signed at the outset as *drawer*. The exporter must be assured, on the strength of the information obtainable through his bank, that the importer is reliable and responsible at least for the amount of the order; also that the exporter will not be risking his goods on the high seas without reasonable prospect of settlement in due course.

The drawing up of a bill of exchange and the collection of the proceeds from the buyer are both matters upon which the bank will assist. In certain cases the bank may be able to advance a proportion of the proceeds sold to a creditworthy buyer, or else to negotiate the bill of exchange so that the seller receives the proceeds less discount and charges.

Another convenient method by which payment for exports may be arranged is the confirmed documentary credit. This method is applicable when the credit of the exporter and importer is undoubted and the foreign importer arranges with his own bank the "credit" in favour of the exporter: under it the exporter is able to arrange with his banker that he should receive a letter of credit stating the terms upon which the banker will pay so soon as the documents* are presented. These will consist of the invoice of the goods shipped, the bill of lading, the marine insurance policy and any other documents specified covering the shipment of the goods.

Such, in general, is an outline of the facilities offered by the banks, financial and otherwise to the overseas trader or, more particularly, to the exporter whose activities are essential to the country at this critical time.

* Note: The preparation of the documents mentioned is of course essential in the case of export.

Questions Answered in Parliament

Below is a selection of questions of interest to industry answered in Parliament

THURSDAY MARCH 18

Pottery Development Council

The President of the Board of Trade, Mr. Harold Wilson, said that he was not yet in a position to announce a date for the setting up of the Pottery Development Council nor its composition. Discussions with the British Pottery Manufacturers' Federation had been unavoidably delayed for a few weeks. He hoped shortly to have final discussions with them as he was most anxious to see the Council established.

Prices of Ophthalmic Optical Products

Asked why ophthalmic optical products were not included in recent price control orders, the President said that these goods were controlled in price by the Prices of Goods Act, 1939, as amended. The form of price control adopted in the Miscellaneous Goods (Maximum Prices) Order was not very suitable for goods such as these, which were supplied to suit individual needs. The Central Price Regulation Committee proposed to discuss with the manufacturers and wholesalers the current prices of these products and, meanwhile, would arrange for any complaints of overcharging to be investigated.

The prices of optical products supplied at present under ophthalmic benefits given by approved Societies were already satisfactorily controlled by agreement with the manufacturers and wholesalers and the extension of this arrangement in July to cover such goods provided under the National Insurance Scheme was being considered by the Minister of Health.

Machinery for Cotton Industry

Special arrangements have been in operation for a long time past to assist the manufacturing section of the cotton industry to obtain increased supplies of accessories and ancillary machinery of the kinds mentioned in the Moelwyn Hughes report, it was stated. The Minister of Supply and the President of the Board of Trade were discussing with the Cotton Spinners and Manufacturers' Association what further steps could be taken to help.

Exports of Wool Cloth

The President said that export licensing of wool cloth was originally imposed to safeguard supplies for the home market and to ensure that the limited exports permitted were sent to the countries dependent on us for essential supplies. More recently, as the total of exports had expanded, it had been employed to encourage the development of exports to the most desirable markets.

The response of the woollen industry to the export drive was so good that there were now large quantities of cloth available for export, and the President said he had, therefore, decided, after full discussion with the industry, to allow the export without a licence of wool cloth and blankets, apart from utility, as soon as the necessary Order could be made.

He would, however, have to institute a supplementary, but much simpler, form of control to ensure that there was no diversion to the home market of cloth made for export.

New Ceiling Prices for Wool Cloths

Asked why Wool Control Circular DAL/302, withdrawing rebates on wool cloths as from March 1, was not accompanied by a new schedule prescribing ceiling prices, so as to avoid the necessity for merchants to hold stocks until new prices are fixed, the President replied that he could not accept the suggestion in the question. Most utility wool cloth now being delivered by manufacturers was partially subsidized, and the control over distributors' prices for this cloth, which was marked "P," was by the existing maximum margins only. Consequently no question of merchants' holding up stocks until ceiling prices were adjusted need arise.

Ceiling prices for this cloth and new ceiling prices for unsubsidized cloth bearing no special distinguishing letter would be brought into force in about a month's time. A short interval between the issue of new prices for manufacturers and the issue of new ceiling prices for distributors should not cause inconvenience.

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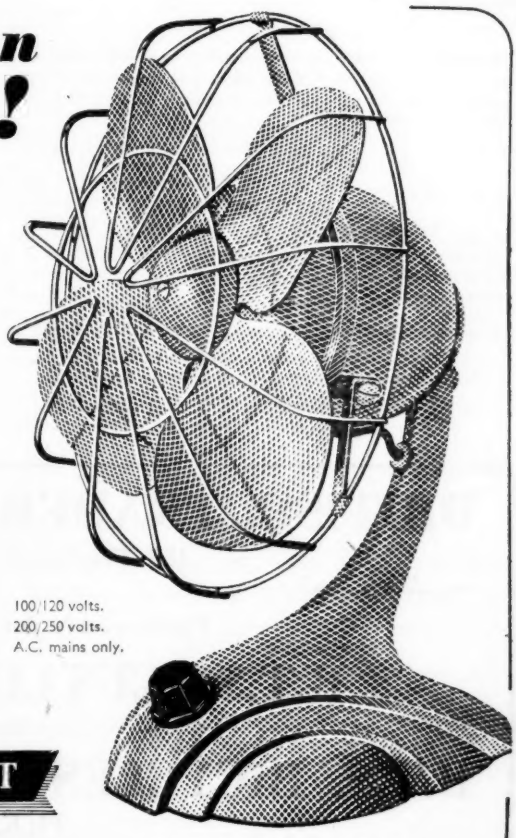

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Supplies of Consumer Goods to the Home Civilian Market

Increased Supplies in January after the Holidays

THERE was a recovery in January, following the Christmas holidays, in supplies of most items of consumer goods to the home market for which monthly figures are available. Of the more important items, rubber footwear was the only exception, supplies being 31 per cent. lower than in December, due to increases in exports. Hand knitting yarn at an annual rate of 16·5 million lbs. reached a new peak, 2 per cent. higher than in September, the previous highest figure since the war. For most other items the January figures were below those in October, the month of highest supplies in 1947, though if a comparison is made on the basis of output per working day the gap is less than at first appears.

In the following table, January supplies of the more important items are compared with those in December and a year ago :—

Commodity	Comparison of supplies in January 1948 with	
	December 1947	January 1947
	Per cent. change	
Footwear : non-rubber	+ 3	+ 8
rubber	—31	+13
Total	— 2	+ 8
Cloth : wool	+12	—15
non-wool	+12	— 4
Hand knitting yarn	+ 9	+16
Utility furniture	+ 4	—10
Prams and folders	+27	+ 4
Push chairs	+47	+47
Tobacco clearances	+13	—26
Mechanical lighters	— 9	+ 1

Comparison with the previous period and with a year ago are given below for the principal items for which new figures relate to periods longer than one month :—

Commodity	Comparison with	
	Previous period	A year ago
	Per cent. change	
Oct./Jan. 1948		
Corsetry	+ 7	+16
Oct./Dec. 1947		
Gloves	+ 5	—20
Cutlery	+13	+31
Brushes and brooms	+11	No change

Annual Rates of Supply: For insertion in the main tables published in *Board of Trade Journal* for October 4, 1947 :—

Table	Sub-heading	Period	Reading across the columns for additional figures
(Index)			
I	Other clothing ...	Sept./Oct.	167
	Other clothing ...	Nov./Dec.	145
	Hardware ...	Sept./Oct.	214
II	Footwear :		
	(*a*) non-rubber	Jan. '48	22·3, 3·9, 41·4, 4·1, 8·8, 8·9, 0·7, 15·3, 2·1, 14·3, 1·1, 1·14, 102·2, 5·7, 16·1, 124
	(*b*) rubber ...	Jan. '48	2·02, 4·18, 11·47
IV	Gloves : leather and fabric	Oct./Dec. '47	4·91, 0·77, 12·11, 3·51, 1·24, 2·84
	Total ...	Oct./Dec. '47	33·09
V	Woven wool cloth	Jan. '48	169, 65, 234
	Woven non-wool cloth	Jan. '48	146 (linings), 307, 408, 163, 225, 633
VI	Hand knitting yarn	Jan. '48	3·5, 1·0, 12·0, 16·5
VII	Nursery squares	Nov./Dec. '47	28·1
	Sanitary towels	Jan. '48	1122
VIII	Corsetry ...	Oct./Jan. '48	17·0, 11·7
	Braces	Oct./Dec. '47	9·65
XI	Utility furniture	Jan. '48	512, 982, 635, 261, 389, 485, 2212, 58, 90, 232, 2019, 478, 40, 219, 13, 43041, 40406, 333, 40, 242
XIII	Prams, etc. ...	Jan. '48	739, 470
XVI	Cutlery	Oct./Dec. '47	1·16, 11·27, 1·71, 6·59, 9·82, 8·35, 3·42, 1·63, 0·03, 3·60
XIX	Brushes and brooms	Oct./Dec. '47	12·4, 6·1, 13·6, 4·9, 1·87, 12·2, 30·9, 2·22, 24·9, 5·46, 0·63, 6·0
	Combs	Nov./Jan. '48	83·2
XX	Pens, etc. ...	Nov./Jan. '48	8·0, 1·37, 138, 41·2, 30·2, 15·6, 2·0
XXI	Umbrellas ...	Oct./Dec. '47	1848
XXII	Tobacco clearances	Jan. '48	242
	Mechanical lighters	Jan. '48	3·78, 0·56

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Import and Export Prices

THE monthly index numbers of prices of imports and exports for February 1948 are shown in the table below with comparative figures for November and December 1947, and January 1948.

Index	Nov.	Dec.	Jan.	Feb.
		1938=100		
IMPORTS				
Food, drink and tobacco... ...	244	243	249	254
Raw materials and articles mainly unmanufactured	300	304	313	317
Articles wholly or mainly manufactured...	257	258	263	269
TOTAL ...	262	263	269	275
U.K. EXPORTS				
Food, drink and tobacco... ...	222	224	223	220
Raw materials and articles mainly unmanufactured	237	277	283	293
Articles wholly or mainly manufactured	243	245	244	247
Metal goods	220	222	221	223
Textiles	321	324	326	326
Other manufactures ...	236	236	235	240
TOTAL ...	242	244	244	247

The index number for total imports showed a further rise of 6 points (2 per cent.) between January and February, a similar increase also being recorded for manufactured articles. The rise for food, drink and tobacco was less than in the previous month, the index in February being 5 points (2 per cent.) higher than in January, while the index for raw materials rose by 4 points (1 per cent.).

Prices of United Kingdom exports which had been unchanged in the previous month rose by 3 points (1 per cent.) in February. The largest movement was a rise of 10 points (4 per cent.) in the index for raw materials, due largely to the increased prices of coal. The index for food, drink and tobacco has fluctuated only between 220 and 224 since July last and in February it fell by 3 points (1 per cent.) below January to the July level. Manufactured goods were 3 points (1 per cent.) above the previous month; for the first time since October 1946 there was no change in the index for textiles, but metal goods increased by 2 points (1 per cent.), while other manufactures advanced by 5 points (2 per cent.) after remaining almost stationary since September.

Raw Materials from Scrap Electric Cable

An important contribution towards meeting the shortage of raw material results from the breakdown of scrap electric cable.

These electric cables are either of types such as Admiralty degaussing cable, that have no normal use for ordinary power distribution purposes, or they have such defects as porous lead covering or low insulation which render their use unsafe.

Cables sentenced as scrap are collected in depots under the control of the Ministry of Supply, Directorate of Disposals (Breakdown), and accumulations are lotted under various types, such as rubber covered, lead covered, field telephone, etc., until a sufficient quantity is obtained which justifies a sale by tender to registered scrap merchants who break down the cable and recover copper, lead, steel, rubber, polythene, poly-vinal-chloride and other constituent materials which find their way back to be used in industry.

Since the beginning of the scheme in 1945, about 20,000 tons of scrap cable has been sold in this way for a return of approximately £750,000.

List of Ships' Stores Dealers

The Ministry of Transport has recorded the following deletion from the list of persons whose names were entered on August 1, 1944, in Part 11 (*b*) (kept by the Board of Trade under the Consumer Rationing (Consolidation) Order) of the List of Ships' Stores Dealers :—

Messrs. Wm. Henderson and Sons, Ltd., 9-15 Church Street, Liverpool.

NOTE.—Lists of amendments to the List of Ships' Stores Dealers (Part 11 (*b*)) were published in the *Board of Trade Journal* on the following dates :—August 12 and October 14, 1944; September 1 and October 6, 1945; January 2 and 23, August 10 and December 12, 1946; August 16 and December 6, 1947; and January 17, 1948.

Imports of Wines and Spirits

THE arrangements now being made by the Ministry of Food with the Wine and Spirit Association of Great Britain for the import during 1948 of Marsala and table wines from Italy (including the South Tyrol), sweet wines (high strength and low strength) from Greece and Geneva, liqueurs and fruit vermouth from the Netherlands, provide that a proportion of these imports will be available to new importers.

Marsala and Table Wines from Italy

Firms will be considered eligible for import licences if they have, between September 1939 and December 31, 1947, obtained accredited agencies from Italian exporters who can be vouched for by the Italian Government trade authority.

Any importer who is eligible under these conditions should get into touch, before March 31 either with the Secretary of the Italian Wine Shippers Association, 9 Idol Lane, Eastcheap, London, E.C.3, or with the Ministry of Food, Wines and Spirits Branch, London Road, Stanmore, Middlesex.

Sweet Wines from Greece

Firms will be considered eligible for import licences if they have, between September 1939 and December 31, 1947, obtained accredited agencies from Greek exporters who can be vouched for by the Greek Government trade representative.

Any importer who is eligible under these conditions should get into touch before March 31, 1948, either with the Secretary of the Wines and Spirit Association of Great Britain, Market House, 26/28 Mark Lane, London, E.C.3, or with the Ministry of Food, Wines and Spirits Branch, London Road, Stanmore, Middlesex.

Geneva, Liqueurs and Fruit Vermouth from the Netherlands

Firms will be considered eligible for import licences if they have, since September 1939, obtained accredited agencies from Dutch exporters who are vouched for by the Dutch Agricultural Counsellor.

Any importer who is eligible under these conditions should get into touch before March 31, 1948, either with the Secretary of the Wines and Spirit Association of Great Britain, Market House, 26/28 Mark Lane, London, E.C.3, or with the Ministry of Food, Wines and Spirits Branch, London Road, Stanmore, Middlesex.

Imports of Cyprus Base Wine

The arrangements that have been made by the Ministry of Food with the Government of Cyprus for the import of Cyprus base wine in 1948 provide that a proportion of this wine will be available for new importers who have arranged agencies with Cypriot exporters.

Any new importer who can satisfy the Ministry of Food of his ability to import and to distribute base wine for the sole purpose of the manufacture of vermouth and/or wine cocktails (which can only be manufactured by those firms who made wine cocktails from Cyprus base wine before the war), and who wishes to receive a quota of the authorized imports, should apply to the Ministry of Food, Wines and Spirits Branch, London Road, Stanmore, Middlesex, before March 31, 1948, stating his requirements and giving details of his agency.

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Reports on German and Japanese Industry

ALL reports published may be seen at certain public libraries, Chambers of Commerce, Universities, and Professional and Scientific Institutions. Copies may also be purchased at the Sales Offices of His Majesty's Stationery Office or ordered by post from *His Majesty's Stationery Office, P.O. Box 569, London, S.E.1.*

Canadian subscribers should apply to the Liaison Office, National Research Council, Ottawa.

Enquiries about supplementary information—original German documents and drawings, etc., mentioned in these publications, should be addressed to *T.I.D.U., German Division, Board of Trade, 40 Cadogan Square, London, S.W.1*, quoting references by report and page number where possible.

It should be realized that although no invention made in Germany or Japan during the period between September 3, 1938, and December 31, 1945, can become the subject of a valid British patent, nevertheless some of the information gathered in Germany or Japan may be covered by valid patents or patent applications in the United Kingdom. In order to avoid infringing patent rights, therefore, firms interested in exploiting any particular item are advised to investigate the patents position in the United Kingdom before going into production. Similar investigations are also desirable before exports are made to any particular country abroad.

The following additional reports are now available :—

No. of Report	Title	Price
BIOS 394	*Technical Report on the Ruhr Coalfield. Volume III. Appendix 2. Planning a New Area.*	0s. 9d. (post free 0s. 10d.)
BIOS 1712	*Medium Pressure Synthesis with Iron Fixed-bed Catalysts, and Operation of the Fischer Tropsch Synthesis in the Liquid Phase. Interrogation of Dr. H. Kolbel.*	1s. 0d. (,, ,, 1s. 1d.)
BIOS 1715	*Synthetic Resin Emulsions and Cellulose Lacquers. Interrogation of Dr. A. Kraus.*	2s. 6d. (,, ,, 2s. 8d.)
BIOS 1720	*Dicyandiamide Production*	3s. 6d. (,, ,, 3s. 8d.)
FIAT 672	*Air and Oil-Cooled Adam Opel 72-H.P. Truck Engine*	4s. 0d. (,, ,, 4s. 2d.)
JIOA 41	*The Production of Suprifen at Farbwerke, Hoechst, Germany* ..	1s. 0d. (,, ,, 1s. 1d.)
BIOS/JAP/PR/1593 ..	*Age Hardening of Metals*	1s. 0d. (,, ,, 1s. 1d.)
CLASSIFIED LIST No. 8	Consolidated list under subject headings of all reports on German and Japanese industry published up to and including May 31, 1947.	1s. 0d. (,, ,, 1s. 3d.)
CLASSIFIED LIST No. 9	June 1947, Supplement to the above list	0s. 2d. (,, ,, 0s. 3d.)
CLASSIFIED LIST No. 10	July 1947, Supplement to the above list	0s. 2d. (,, ,, 0s. 3d.)
CLASSIFIED LIST No. 11	August 1947, Supplement to the above list	0s. 2d. (,, ,, 0s. 3d.)
CLASSIFIED LIST No. 12	September 1947, Supplement to the above list	0s. 2d. (,, ,, 0s. 3d.)
CLASSIFIED LIST No. 13	October 1947, Supplement to the above list	0s. 2d. (,, ,, 0s. 3d.)
CLASSIFIED LIST No. 14	November 1947, Supplement to the above list	0s. 2d. (,, ,, 0s. 3d.)
CLASSIFIED LIST No. 15	December 1947, Supplement to the above list	0s. 2d. (,, ,, 0s. 3d.)
TECHNICAL INDEX .. (Part 1)	Alphabetical subject index of reports on German industry published up to and including July 27, 1946.	5s. 0d. (,, ,, 5s. 3d.)
TECHNICAL INDEX .. (Part 2)	August, September and October 1946, Supplement to the above index.	1s. 6d. (,, ,, 1s. 7d.)
TECHNICAL INDEX .. (Part 3)	November and December 1946, Supplement to the above index ..	1s. 6d. (,, ,, 1s. 7d.)
TECHNICAL INDEX .. (Part 4)	January, February and March 1947, Supplement to the above index.	2s. 0d. (,, ,, 2s. 2d.)

BIOS 1661.—An erratum to this report has been issued and is available at the Sales Offices of His Majesty's Stationery Office.

Further reports, as they become available for publication, will be notified in the *Board of Trade Journal* and will also then be available for reference at the principal public libraries and Chambers of Commerce.

German Patent Specifications, accepted by the Berlin Patent Office during the war, can be seen at the Patent Office Library, 25 Southampton Buildings, Chancery Lane, London, W.C.2. Photographic copies of any specification and drawings may be obtained at the rate of 6d. per page.

German Plant Available as Reparations from French Zone

NOTICE was given in the *Board of Trade Journal* published on January 24, 31, February 14 and 21, 1948, of inventories which had been received of Capital Industrial Equipment in 88 unallocated plants contained in the list of reparation availabilities notified by the French Zone Commander.

Noted below is a further list of 7 plants in respect of which inventories have since been received, and in respect of which expressions of interest are invited from interested persons under the same conditions as those described in the previous notices in the *Board of Trade Journal* referred to above.

Serial No.	Name	Location	Description of Plant	Production Department
		Mechanical Engineering		
2223	Dorflinger Hermann ...	Metzingen (W)	Plant for the production of drills, millers, filing vices, and wood-working machinery	Ministry of Supply (G.5.E.), Shell Mex House, London, W.C.2.
2342	Thielenhaus	Lorrach (Bade)	Part plant for the production of machine tools	do.
2242	Genkinger	Munzingen (Bade)	Plant for the production of motor-car accessories, oil pumps and jacks generally.	do.
2312	Prototyp	Zeil (Bade)	Plant for the production of dies, screw-cutting and milling machines.	do.
		Chemical Industry		
2063	I.G. Farben	Ludwigshafen	Part plant for the production of chlorine, caustic soda and liquid chlorine.	Board of Trade, Raw Materials Division (5.A.), LC House, Millbank, London S.W.1.
2079	Raschig	Ludwigshafen	Part plant for the production of phenoplasts	do.
2081	I.G. Farben	Oppau	Part plant for the production of aminoplasts, resins for lacquers (varnish base), synthetic waxes.	do.

Registrations of British and Foreign Films

THE following are details of films registered by the Board of Trade under the Cinematograph Films Act, 1938, during the week ended Tuesday, March 23, 1948:—

Title of Film	Registered in the Name of	Maker's Name	Registered No.	Length (feet)	Date of Registration
		BRITISH			
Family Album	Warner Bros. Pictures Ltd.	Paul Barralet Productions Ltd.	Br/R 11120	1,501	March 17
Gruyeres	" "	British Foundation Pictures Ltd.	Br/R 11121	1,416	March 17
Lake Como	Paramount Film Service Ltd.	" "	Br/R 11122	1,482	March 17
Life's A Gambol	Arrow Film Distributors Ltd.	Arrow Film Distributors Ltd.	Br/E 11128	3,116	March 19
The First Gentleman	Columbia Pictures Corp. Ltd.	Columbia (British) Productions Ltd.	Br/TR 11133	9,975	March 19
Deep Is The Valley	" "	British Documentary Films Ltd.	Br/R 11134	1,417	March 19
When Day Is Done	" "	Paul Barralet Productions Ltd.	Br/R 11135	1,507	March 19
Heritage Of The Sea	" "	" "	Br/R 11136	1,563	March 19
Anna Karenina	British Lion Film Corp. Ltd.	London Film Productions Ltd.	Br/TR 11137	11,161	March 19
		FOREIGN			
Cuba Calling	Warner Bros. Pictures Ltd.	Warner Bros. Pictures Inc.	F 11123	812	March 17
Glamor In Sports	" "	" "	F 11124	832	March 17
Falling Hare	" "	" "	F 11125	758	March 17
Naughty Nanette	Paramount Film Service Ltd.	Paramount International Films Inc.	F 11126	1,488	March 17
Sweet And Low	" "	" "	F 11127	1,693	March 17
The Ants	Associated British Film Distributors Ltd.	Film Sales Ltd.	F 11129	930	March 19
The Crystals	" "	" " ...	F 11130	996	March 19
The Butterflies	" "	" "	F 11131	1,115	March 19
Farrebique	G.C.T. (Distributors) Ltd.	L'Ecran Francais and Les Films Etienne Lallier	F 11132	8,127	March 19

Br/E indicates "for the exhibitors' quota only."
Br/R indicates "for the exhibitors' and renters' quotas."
Br/TR indicates "for the exhibitors' quota and trebled for the renters' quota."

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230v., 5.6 kva. **Ford Generating Sets. £150**
230v., 5.6 kva. **Cub Diesel Generating Set.** New. **£325**
230v., 12 kw. **Newman Petrol Generating Set.** New. **£295**
230v., 15 kva. **Lister Diesel Generating Set. £600**
130v., 2¾ kva. **Coventry Climax Petrol Generating Set.£30**
5 hp. **Coventry Victor Diesel Engine.** New. **£99 15s.**
10 hp. **Cub Diesel Engines.** New. **£151**
10 hp. **Petter Petrol Engines.** New. **£58 10s.**
12v., 190 ah. **Batteries.** New. **£18**
110v., 16 kw. **G.E.C. Trailer mounted Generating Sets. £250**
7½v. plus 7½v. 200 amp. **Austin Petrol driven Charging Sets. £195**
400/3/50 four wire 22.5 kva. **Ford Petrol Generating Sets. £500**
400/3/50 four wire 31.5 kva. **Buda Diesel Generating Sets. £1,250**
230v. D.C., 50 kw. **Gardener Diesel Generating Set.£1,350**
230v. D.C., 50 kw. **Leyland Diesel Generating Set. £1,150**
400/3/50 four wire 20 kva. **Lister Diesel Generating Set. £1,150**
110v. D.C., 22 kw. **Lister Diesel Generating Set. £550**

¼ hp. 230/1/50 S/P. 1,450 rpm. **Electric Motors.** New. **£7 15s.**
½ hp. 230/1/50 S/P. 1,450 rpm. **Electric Motors. £10 10s.**
½ hp. **Capacitor start Electric Motors. £12 10s.**
1 hp. 400/3/50 **Electric Motors. £14 10s.**
2 hp. 400/3/50 **Electric Motors. £18 10s.**
3 hp. 400/3/50 **Electric Motors. £22 10s.**
2 hp. 400/3/50, 710 rpm. **Electric Motor.** Second-hand. **£35**

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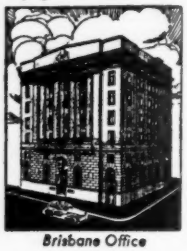

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Surplus Machine Tools for Disposal

THERE are still more than 20,000 good quality Government surplus machine tools covering a wide range of types and makes available for sale. Fresh machines are constantly being added to the stock and firms requiring additional tools for increasing production, or replacement of old and obsolete plant, will find it worth while to consider the purchase of Government machines which are available for immediate delivery.

Firms in heavy engineering will be interested in the following lines taken from the stock records :—

Cincinnati Hydrotel Milling Machines.

A variety of single spindle and multi spindle types with 360 degs. profiling attachments.

Cincinnati Hydromatic Milling Machines.

A large range of plain and duplex machines of various capacities.

Heald No. 73 and 78 Internal Grinders.

These machines incorporate the centreless method of work holding which permits grinding the bore absolutely concentric with the O.D., and also allows sleeves of very thin wall section to be accurately ground. In addition, work may be re-chucked with no change in axial locate.

There are 80 No. 73 and 20 No. 78 from which to make a selection.

Permits to inspect Government surplus machines in the storage units and information regarding selling arrangements may be obtained from the following offices which are open for enquiries from 10 a.m. to 4 p.m. on Monday to Friday.

Disposal Centres.

BIRMINGHAM :	C.M.L. Buildings, Great Charles Street.
BRISTOL :	8/9 Elmdale Road.
GLASGOW :	21 Glassford Street, C.1.
LEEDS :	10 Bank Street, off Boar Lane.
LONDON :	Room 0088, Ground Floor, Thames House North, Millbank, S.W.1.
MANCHESTER :	Britannia House, Fountain Street.

Selling Centres.

Madingley Road, Cambridge.
Daimler No. 2 Factory, Coventry, Warwickshire.
Burghfield, near Reading, Berks.
Thorp Arch, near Boston Spa, Yorks.
Church Road, Erith, Kent.
Summerfield, near Kidderminster.
Elstow, Kempston Hardwick, Bedford.
Capenhurst, near Chester.
Featherstone, near Wolverhampton, Staffs.
Stormy Down, near Bridgend, Glamorgan.

Auxiliary Electrical Generating Plant

The Ministry of Fuel and Power wishes to make it clear that although staggering of hours is to end on March 29 it will still be necessary to give all possible relief to the electricity grid.

Industrial and other undertakings which have been using auxiliary power installations to take part of their load during peak hours are therefore asked to continue using them until at least the end of April, and not to put them out of action for overhaul, unless absolutely necessary, until the danger of a cold spell in May is past.

Although it was made a condition when some of this plant was supplied that it was to be kept in continuous use, it has been agreed that this condition will not be enforced from the end of April to the beginning of October.

Ministry of Works Disposal Sales

Date	Stores	Location	Auctioneer
April 13 ...	Building materials	Ministry of Works, East Hermiston Depot, Calder Road, Edinburgh.	Messrs. Lyon & Turnbull, Ltd., 121 George Street, Edinburgh. (Tel.: Edinburgh 20358.)
April 20, 21, 22	Building materials	M.O.W. Surplus Materials Depot, No. 6 Ramp Shed, West India Docks, London, E.14.	Messrs. Bromley & Co., 5 London Road, Forest Hill, S.E.23. (Tel.: Forest Hill 1181.)
April 22 ...	Building materials	M.O.W. Surplus Materials Depot, R.O.F. Heighington, Aycliffe, Co. Durham.	Messrs. G. T. Bainbridge & Son, 44 High Row, Darlington. (Tel.: Darlington 4733.)

N.B.—Admission to Depot for inspection prior to any of the above auctions will be by catalogue obtainable from auctioneer named in last column.

Ministry of Supply Auction Sales

APPROXIMATELY 2,000 vehicles will be sold at the auction sale to be held at the Ministry of Supply Vehicle Storage Depot, Mount Farm, Dorchester, Oxfordshire, from April 6 to 16. The vehicles to be auctioned include trucks, tippers, vans, cars, utilities, tractors, ambulances, office vans, diesel engined trucks, prime movers, Scammell "mechanical horses," jeeps and trailers of various sizes.

A one-day sale will be held at the Command Returned Stores Depot, Barlow, near Selby, Yorks, on April 13. In addition to 40 tons of bicycles, including unserviceable and parts, there will be on offer a quantity of kitchen equipment, including cookers, dishes, frying pans, jugs, measures, ladles, colanders, bread and automatic bacon-slicing machines, and weighing machines and steelyards, also shovels, hydraulic and screw jacks, lifting blocks and tackles, vices and water tanks and tubs.

Among the stores on offer at the auction sale to be held at M.O.S. Depot No. 150, Ramsbury, Wilts, on April 21 to 23, are two 5-therm emergency fuel gas producer units, 13,000 metal ammunition boxes, alternator sets, rotary convertors, electric motors, towing and lifting tackle, welding and machine tool equipment, lead lined plating tanks, electric lamps and photographic paper and equipment.

Details of these and other sales arranged by the Ministry of Supply will be found in the list below. Catalogues, which will permit admission on all view days in addition to admission to the sale, can be obtained from the Auctioneer, price sixpence.

Date	Stores	Location	Auctioneer
Mar. 15–Apr. 8...	Vehicles, trailers, motor and pedal cycles.	M.O.S. Depot, Byram Park, Brotherton, Yorks.	Hollis & Webb, 3 Park Place, Leeds, 1. (Tel.: Leeds 29671/2.)
Mar. 31–Apr. 1...	R.A.F. radio, electrical and miscellaneous equipment.	R.A.F. M.U. 35 sub-site, Bowlee, nr. Manchester, Lancs.	C. W. Provis & Sons, 2 Booth Street, Manchester, 2. (Tel.: Manchester Central 2800.)
Mar. 31–Apr. 9...	Photographic materials, general electric stores, drawing office equipment, etc.	M.O.S. Depot 121, Ashchurch, Glos.	Bruton Knowles & Co., Albion Chambers, King Street, Gloucester. (Tel.: Gloucester 2267.) George Hone, 39 High Street, Tewkesbury. (Tel.: Tewkesbury 2110.)
Apr. 6–8 ...	Miscellaneous R.A.F. stores and equipment.	R.A.F. M.U. No. 70, Goring Heath, near Reading.	Messrs. Nicholas, 1 Station Road, Reading. (Tel.: Reading 4441.)
Apr. 6–8 ...	Electrical and chemical plant and equipment.	M.O.S. Depot 162, R.O.F. Wrexham, Denbighshire.	G. F. Singleton & Co., Lloyds Bank Buildings, 53 King Street, Manchester, 2. (Tel.: Manchester Blackfriars 2264/5.)
Apr. 6–9 ...	Miscellaneous stores	M.O.S. Depot, 45 Cannell Street, Ancoats, Manchester.	Ruston Sons & Kenyon, 12 York Street, Manchester. (Tel.: Manchester Central 1937.)
Apr. 6–16 ...	Vehicles and trailers	M.O.S. Depot, Mount Farm, near Dorchester, Oxon.	Simmons & Sons, 12 Station Road, Reading. (Tel.: Reading 4025/6.)
Apr. 8–9 ...	Vehicles, trailers, motor and pedal cycles.	M.O.S. Depot, Duddingston, Edinburgh.	The Berwick Auction Mart Co., Ltd., Market Square, Duns, Scotland. (Tel.: Duns 2.)
Apr. 12–14 ...	Miscellaneous R.A.F. stores and equipment.	R.A.F. M.U. No. 255 sub-site, Balderton, near Newark, Notts.	Escritt & Barrell, Elmer House, Grantham, Lincs. (Tel.: Grantham 1035/6.)
Apr. 12–15 ...	Engineers' tools, testing machines and measuring instruments.	M.O.S. Store, Church Road, Erith, Kent. (Sale at: Winchester House, Old Broad Street, London, E.C.2.)	Leopold Farmer & Sons, 46 Gresham Street, London, E.C.2. (Tel.: Monarch 3422.)
Apr. 13	Bicycles, kitchen equipment and miscellaneous stores.	R.S. Depot, Barlow, near Selby, Yorks	Bartle & Sons, 5/6 Corn Exchange, Leeds. (Tel.: Leeds 24621.)
Apr. 13–15 ...	Miscellaneous R.A.F. stores, mainly electrical and photographic.	R.A.F. M.U. No. 7, Quedgeley, Glos.	J. Pearce Pope & Sons, St. Aldgate Chambers, Gloucester. (Tel.: Gloucester 2274.)
Apr. 13–16 ...	Miscellaneous stores	M.O.S. Depot No. 1, Royal Arsenal, Woolwich.	Wheatley, Kirk Price & Co., 2 South Audley Street, W.1. (Tel.: Regent 7150 and 7159.)
Apr. 14	Radio and photographic stores	Admiralty Storage Depot, Risley, near Warrington, Lancs.	Outhwaite & Litherland, 3 Eberle Street, Liverpool, 2. (Tel.: Liverpool Central 6561.)
Apr. 15	Miscellaneous plant and equipment.	M.O.S. Depot 91, Bainton, near Stamford, Lincs.	Richardsons, 15 Barn Hill, Stamford. (Tel.: Stamford 3315.)
Apr. 20–22 ...	Miscellaneous stores	M.O.S. Depot 7, 92 Woodlands Avenue, Eastcote, Ruislip, Middlesex.	Fuller, Horsey Son & Cassel, 10 Billiter Square, London, E.C.3. (Tel.: Royal 4861.)
Apr. 20–22 ...	Electrical, photographic equipment, chemicals, generators, test benches, portable heaters and miscellaneous stores.	M.O.S. Depot 123, Norton Fitzwarren, Taunton.	F. L. Hunt & Sons, 9 Hammet Street. (Tel.: Taunton 2743.) A. W. Parker & Co., 53 East Street, (Tel.: Taunton 2101.) W. R. J. Greenslade & Co., 3 Hammet Street, Taunton. (Tel.: Taunton 2601.)
Apr. 20–23 ...	Miscellaneous R.A.F. stores and equipment.	R.A.F. M.U. No. 264 sub-site, Alconbury, Huntingdon.	Dilley, Theakston & Beardmore, Market Hill, Huntingdon. (Tel.: Huntingdon 7.)
Apr. 21... ...	R.A.F. radio, electrical and miscellaneous stores.	R.A.F. M.U. No. 16, Sandon Road, Stafford.	South & Stubbs, Bank Passage, Stafford. (Tel.: Stafford 82.)
Apr. 21–23 ...	Miscellaneous stores	M.O.S. Depot 150, Ramsbury Airfield, Ramsbury, Wilts.	Hooper, Pinniger & Co., 130 High Street, Marlborough, Wilts. (Tel.: Marlborough 41.)
Apr. 22–23 ...	Miscellaneous stores	M.O.S. Depot 93, P.O.L. Site, Eardisley, Hereford.	Russell, Baldwin & Bright, 20 King Street, Hereford. (Tel.: Hereford 2184.)
Apr. 26–29 ...	Miscellaneous R.A.F. stores and equipment.	R.A.F. M.U. No. 262, Eccles, Norwich, Norfolk.	Thom. Wm. Gaze & Son, Crown Street, Diss, Norfolk. (Tel.: Diss 13.)
Apr. 26–May 7...	Portable power tools and industrial electrical equipment.	M.O.S. Depot, Yeadon, Leeds... ...	Oliver, Kitchen & Flynn, 30 Albion Place, Leeds, 1. (Tel.: Leeds 20681/2.)
Apr. 26–May 11	Vehicles and trailers	No. 31 V.R.D. Douglas, Lanarkshire	Lawrie & Symington Ltd., Lanark, Scotland. (Tel.: Lanark 280.)
Apr. 27–28 ...	Miscellaneous stores	M.O.S. Depot 99, Works Repair Depot, Weyhill, Andover, Hants.	Henry Butcher & Co., 73 Chancery Lane, London, W.C.2. (Tel.: HOLborn 8411.)
Apr. 27–29 ...	Miscellaneous stores, mainly medical items, i.e., aseptic furniture, laboratory equipment, etc.	M.O.S. Depot, Honeybourne, South Littleton, near Evesham, Worcs.	Bosley & Harper, Shipston-on-Stour, Warwick. (Tel.: Shipston 2.)
Apr. 27–29 ...	Vehicles, etc.	M.O.S. Depot, Elstow, Beds	Peacock, Merry & Swaffield, 10 Lime Street, Bedford. (Tel.: Bedford 3115.)

Official Announcements

Official Receivers Appointments: Mr. J. Stanley Snowball, of Bank Chambers, Scarborough and Lantern Tower Chambers, Coppergate, York, the Official Receiver for the York and Scarborough Bankruptcy Districts is retiring on March 31 on his appointment as a County Court Registrar. He will be succeeded by Mr. G. P. Morris of 29 East Parade, Leeds, the Official Receiver for the Leeds District who will conduct the business of both Districts from his office at Leeds. (Tel. Leeds 27221.)

Mr. W. Mennell, Mr. Snowball's present Assistant Official Receiver, will be joining Mr. Morris's staff.

Mr. O. B. Wallis of 133 Saint Owen Street, Hereford, the Official Receiver for the Hereford Bunkruptcy District, is retiring on March 31 and will be succeeded by Mr. R. K. Clark of Somerset House, 37 Temple Street, Birmingham 2, the Official Receiver for the Birmingham Bankruptcy District.

Mr. Clark will conduct the business of both Districts from his office at Birmingham. (Tel. Midland 6216.)

★

Purchase Tax on Unbleached Real Sponges: The Commissioners of Customs and Excise have decided that as from April 1, 1948, unbleached real sponges should not be regarded as chargeable with Purchase Tax.

★

Telephone Service with Costa Rica, Honduras, Nicaragua and Panama: The Postmaster-General announces that the telephone services with Costa Rica, Honduras, Nicaragua and Panama have been re-opened.

The hours of service vary, but generally calls can be connected with any of the countries in question between 1 p.m. and midnight on weekdays and between 1 p.m. and 6 p.m. on Sundays.

In each case the charge for a three minutes' call is £3 15s. 0d. on weekdays and £3 0s. 0d. on Sundays.

★

Continental Telephone Services: The Postmaster-General announces that fixed time and subscription calls are now admitted in the telephone service with Holland throughout the 24-hour period. These calls could previously be made between the hours of 7 p.m. and 8 a.m. only.

★

Import of Early Potatoes: The Ministry of Food, in agreement with the Board of Trade, announce that the period for the importation of early potatoes is being extended from March 31 to May 31, 1948. The conditions under which imports may be made between April 1 and May 31 are the same as those already announced for the period January 1 to March 31.

By arrangement with H.M. Customs it will be not necessary for importers to present new licences: existing licences will be accepted up to May 31 and will, without further application, permit the import of up to three times the original quantity as shown on them, i.e., 200 per cent. increase.

Importers who have not applied for licences for the earlier period or who have already surrendered existing licences to H.M. Customs, should apply for new licences, in the first instance, to the Ministry of Food, Import Section, Carlton Hotel, Pall Mall, London, S.W.1, on Form I.L.D/A, copies of which may be obtained from the Ministry of Food, the Board of Trade or the usual Customs Offices.

BRITISH STANDARDS

The British Standards Institution, 24/28 Victoria Street, London, S.W.1, have issued the following information regarding British and overseas standards:—

New Standards Issued.

Methods for the Analysis of Steel. Nickel in Permanent Magnet Alloys. (B.S. 1121, Part 2, 1948, price 1s. 0d.)

The solutions required, the test procedure and the method of calculation are specified for the determination of nickel in permanent magnet alloys.

Methods for the Analysis of Steel. Tungsten. (B.S. 1121, Part 3, 1948, price 1s. 0d.)

Solutions required, test procedure and method of calculations are specified for the determination of tungsten in steels not containing columbium (niobium) and tantalum.

Methods for the Analysis of Steel. Aluminium in Permanent Magnet Alloys. (B.S. 1121, Part 4, 1948, price 1s. 0d.)

Solutions required, test procedure and method of calculation are specified for the determination of aluminium in permanent magnet alloys.

Methods for the Analysis of Steel. Copper in Permanent Magnet Alloys. (B.S. 1121, Part 5, 1948, price 1s. 0d.)

Solutions required, test procedure and method of calculation are specified for the determination of copper in permanent magnet alloys.

30-ampere Flameproof Plugs-and-Sockets and Cable-Couplers. (B.S. 1395, 1948, price 3s. 6d.)

This British Standard applies to flameproof plugs and sockets and cable couplers primarily for use in mines. Two types are provided for, the restrained type being for use with electrical interlock, and the bolted type for use with or without electrical interlock.

The dimensions necessary to secure interchangeability of complete plugs in sockets of different makes are prescribed, together with some electrical and mechanical requirements. The enclosures must conform to the definition of "flameproof enclosure" given in B.S. 229 "Flameproof enclosure of electrical apparatus."

Copper for Electrical Purposes (Sheet and Strip). (B.S. 1432, 1948, price 2s. 0d.)

This British Standard covers copper sheet and strip for electrical purposes in the hard, medium-hard and annealed conditions, in widths up to 36 ins. and in thicknesses over 0·006 in. up to and including 0·375 in.

The Standard includes requirements concerning quality of material, finish, dimensional tolerances, radius on edges of drawn strip, tensile and bend properties, and electrical resistance. A table of temperature of co-efficients of resistance and approximate hardness figures are included as appendices.

Copper for Electrical Purposes (Bar and Rod). (B.S. 1433, 1948, price 2s. 0d.)

This British Standard covers copper bar and rod for electrical purposes in the following sizes and conditions:—

Round rod: Over 0·375 in. up to and including 3·5 ins. diameter. (Rod over 2 ins. diameter in the medium-hard and annealed conditions; rod up to 2 ins. in diameter in the hard, medium-hard and annealed conditions.)

Square and hexagonal rod: Over 0·2 in. up to and including 3·5 ins. width across flats. (Sectional over 2 ins. across flats in the medium-hard and annealed conditions; sections up to 2 ins. across flats in the hard, medium-hard and annealed conditions.)

Bar: Over 0·2 in. up to and including 2 ins. thick and up to 6 ins. wide. (In the medium-hard and annealed conditions.)

The Standard includes requirements for quality of material, finish, dimensional tolerances, tensile properties and electrical resistance. A table of temperature co-efficients of resistance is included as an appendix.

Copper for Electrical Purposes (Commutator Bars) (B.S. 1434, 1948, price 2s. 0d.)

This British Standard covers copper commutator bars in the hard condition, in which the inclination of the two surfaces is constant throughout the width.

The Standard includes requirements for quality of material, finish, dimensional tolerances, tensile and hardness properties, and electrical resistance. A table of temperature co-efficients of resistance is included as an appendix.

Coated Tinfoil for Wrapping Cheese. (B.S. 1436, 1948, price 2s. 0d.)

This British Standard applies to tinfoil having a protective coating on one or both sides of the foil used for the wrapping of cheese. It provides for limits of hardening constituents, limits of impurities, nitric acid test, gauges, weight of protective coating, limits of perforation in the metal, sampling and criteria for acceptance or rejection.

The appendices give methods of making the cup for the nitric acid test, method for the determination of the number of perforations, method for the determination of total coating on tinfoil, and gauges and method of analysis of de-coated oil.

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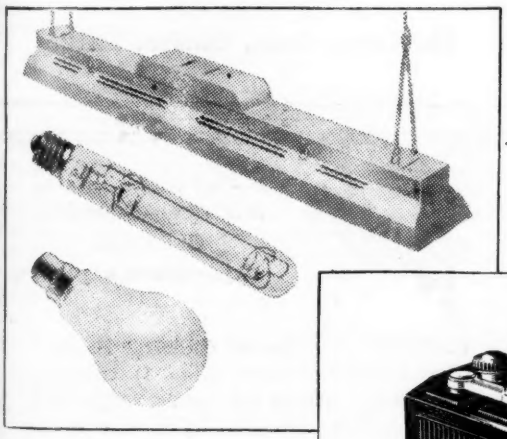

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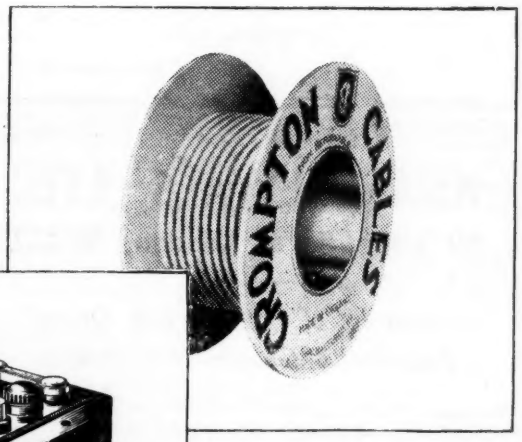

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OVERSEAS TRADE SECTION

British Goods find a Quick Sale in the Dominican Republic

This article was written for the Board of Trade Journal *by His Majesty's Minister and Consul-General at Ciudad Trujillo. The Export Promotion Department, 35 Old Queen Street, London, S.W.1, will be pleased to answer any questions arising out of this article.*

THE past year has been one of steady progress in all departments of the economy and commerce of the Dominican Republic, with a particularly encouraging factor in an unexpected surplus in revenue over expenditure of public funds. This was due not to any particular item, but to a general excess in income and to lower expense in a large number of the budgeted figures.

As soon as the existence of this surplus credit was realised the President of the Republic planned an expansion of his already ambitious schemes for Public Works, including highway and bridge construction throughout the country, street and drainage improvements in the principal towns, the erection of new public buildings, hospitals and barracks, and, most important of all, an elaborate irrigation system in several parts of the island where the lack of water is a serious handicap to progress in agriculture.

Some criticism of this action has been expressed by political opponents of the present regime, who would have preferred a lower expenditure on buildings and more attention to the raising of the conditions of life of the very poor, who still constitute the majority of the population. The social services of the Republic, are, however, very much better than they were 20 years ago, and are every year being improved.

Unfortunately the political uncertainty caused during the past year by the invasion threat from Cuba has meant that many of the Dominican Government's schemes of public works have had to be cancelled, as the money is being spent on measures of defence. General nervousness also affected internal credit and considerable loss has been sustained through a large reduction in the number of tourists. There is now a beginning of a slow return to confidence, but much money has been lost and a renewal of the war of nerves would have serious, if not disastrous results.

Local Currency

The outstanding economic event of the year in the Dominican Republic has been the introduction of a local currency to replace the United States dollar. The use of the dollar in a country which is commercially so largely dependent for many essentials on the United States has very obvious advantages. It is, however, definitely, if less obviously, an expensive mode of living, entailing as it does the annual import of a large number of dollar notes which amount to a non-interest paying bond issue, or an interest free loan to the United States of a large capital sum covering the country's economy.

Statistics have for some years shown a considerable surplus of exports over imports, but the credit which might have been mounting up in consequence has probably been largely expended in the rent of dollars. For this reason the establishment of a national currency was a prima facie economy. The dangers were, however, equally obvious.

This report does not propose to detail the methods employed in the introduction of the "R.D. dollar," as the process is not yet complete. The new notes are in circulation, but at present concurrently with the dollar. It may be stated, however, that the Dominican Government has taken every possible precaution, calling in for consultation United States economic advisers, and associating foreign experts with every branch of the enterprise.

In the same connection a Central Bank has been opened with branches throughout the country through which a serious effort is being made to introduce a sound system of small credits. This Central Bank is under the management of the best brains and most reliable characters in the country, again associated in its constitution with foreign advisers for a number of years. A collateral of 50 per cent. in gold and United States dollars has been established and every effort made to secure this against the depredations of any possible political upheaval. Public respose to date is apparently encouraging. There are no doubt timorous folk who are keeping dollar notes in their stockings, but not to any noticeable extent, whilst the people are reported to be asking for "the new notes and not the old ones."

Local Industries

The large-scale scheme for banana production which is being operated by the United Fruit Company is making good progress. The chocolate factory in Puerto Plata is nearly completed and will shortly begin work as the first stage of the President's plans for chocolate manufacture from local cocoa and local sugar, which he hopes to develop on a large scale. United States capital has also been attracted to open branches of manufacture of such articles as "zip" fasteners, by arrangement with the holders of American patent rights. Whether local labour will rise to the occasion remains to be seen, but the prospects appear to be good. The production of rice has also been increased in quantity and much improved in quality.

British goods are now appearing in larger, but still insufficient quantities. A number of British Ford Prefects which were shipped direct on one of the ships sent to load sugar, so many of which have come in ballast, were quickly sold and have given satisfaction.

The demand for British goods is great, and there are, in fact few lines which will not find an immediate sale, if offers at an acceptable price are made with a promise of delivery at a definite date, and direct shipping arrangements can be made. Shipping is still the key problem, and there is not yet even a shuttle service with Jamaica.

Canada's Trade with Japan

In 1947 Canada purchased goods valued at $465,032 from Japan and supplied that country with one shipment of mica valued at $19,500 states *Foreign Trade*, published by the Department of Trade and Commerce, Ottawa. These figures do not include commodities for which purchase arrangements were made through the United States or Canadian products forwarded to Japan through the United States. Imports during the year under review (1947) consisted of chinaware, textiles, mandarin and bitter oranges, slide rules, hypodermic syringes, toys, ornaments, umbrellas, and articles made of bamboo. Some of the contracts, effected through Boeki-Cho, the Japanese Board of Trade in Tokyo, were made on a government-to-government basis and others on a private trading basis. Details of the imports from Japan in the year 1947 are shown in the following table :—

Commodity	No. of Contracts	Value
Government-to-government basis :—		$
Chinaware	7	10,950
Textiles (made-up goods)...	12	91,113
Oranges (bitter)	2	8,304
Sundries (slide rules, hypodermic syringes, etc.)	7	41,949
Private trading basis :—		
Chinaware	34	132,356
Textiles (made-up goods)...	5	14,697
Oranges (mandarin)	1	121,000
Oranges (bitter)	1	15,000
Sundries (toys, ornaments, bamboo ware, umbrellas, etc.)	25	29,663

Trade of Palestine in First Three Quarters of 1947

THE total value of imports into Palestine during the nine months ended September 1947 amounted to £P.67,126,228, as compared with £P.49,552,332 in the same period of 1946, an increase of £P.17,573,896, or 35·5 per cent., states the Department of Statistics, Jerusalem.

The value of exports of Palestine produce during these periods was £P.20,966,968 and £P.18,001,787 respectively, an increase of £P.2,965,181, or 16·5 per cent.

The value of each class of imports and exports in the year 1946 and the first nine months of 1947 is shown in the following table :—

Class	Imports		Exports	
	Year 1946	Jan.-Sept. 1947	Year 1946	Jan.-Sept. 1947
	£P.000	£P.000	£P.000	£P.000
Food, drink and tobacco ...	19,287	18,476	6,018	6,019
Articles mainly unmanufactured	21,582	16,629	11,973	7,253
Articles mainly manufactured	27,734	28,514	6,460	7,634
Animals, living, n.e.s. ...	199	59	—	1
Unclassified	1,630	3,448	34	60

Imports and Exports

The principal imports in the nine months ended Septemner 30, 1947, were: grain and flour, £P.6,804,336, as compared with £P.5,357,967 in the comparable period of 1946 ; feeding stuffs for animals, £P.1,248,761 (£P.538,884) ; animals, living, for food, £P.2,285,527 (£P.2,022,684) ; dairy produce, £P.1,851,043 (£P.1,204,372) ; fresh fruits, nuts and vegetables, £P.1,815,911 (£P.1,088,730) ; tombac and tobacco, £P.610,774 (£P.448,683) ; wood and timber, £P.1,788,660 (£P.1,302,766) ; textile materials £P.663,062 (£P.903,607) ; seeds, beans and nuts for oil, oils, fats, gums and resins, £P.11,773,501 (£P.10,267,829) ; ceramic ware, glass and manufactured quarry products, £P.1,246,173 (£P.691,209) ; iron and steel and manufactures thereof, £P.3,579,829 (£P.2,723,099) ; non-ferrous metals and manufactures thereof, £P.1,166,176 (£P.663,199) ; cutlery, hardware, implements, instruments and photographic film, £P.1,124,641 (£P.707,087) ; electrical goods and apparatus, £P.1,345,087 (£P.800,037) ; machinery, £P.3,428,169 (£P.2,019,652) ; manufactures of wood and timber, £P.2,337,977 (£P.1,019,372) ; cotton yarns and manufactures, £P.3,354,142 (£P.2,017,220) ; woollen and worsted yarn and manufactures thereof, £P.1,429,905 (£P.737,915) ; silk yarn, artificial silk yarn and manufactures thereof, £P.1,329,631 (£P.984,056) ; apparel, £P.686,936 (£P.945,792) chemicals, drugs, dyes and colours, £P.1,251,589 (£P.1,141,287) ; paper and cardboard and manufactures thereof, £P.1,186,705 (£P.935,146) ; aircraft, ships and vehicles, £P.1,907,332 (£P.1,182,771).

As regards exports of Palestinian produce in the first three quarters of 1947, the principal items were : fresh fruits, nuts and vegetables, £P.4,949,721, as against £P.2,868,931 a year earlier ; beverages, £P.714,393 (£P.214,397) ; seeds, beans and nuts for oil, oils, fats, gums and resins, £P.7,027,446 (£P.4,345,879) ; chemicals, drugs, dyes and colours, £P.1,460,636 (£P.977,940) ; oils, fats and waxes and manufactures thereof, £P.4,228,724 (£P.2,919,093).

Direction of Trade

In the first nine months of 1947 British Empire and Mandated Territories supplied imports to the value of £P.23,055,715, as against £P.20,031,539 a year earlier. The chief contributors were : the United Kingdom, £P.13,484,088 (£P.9,945,765) ; Australia and New Zealand, £P.2,343,347 (£P.1,031,207) ; India, £P.689,501 (£P.1,431,468) ; Canada, £P.3,252,848 (£P.2,834,480); Sudan, £P.630,411 (£P.200,202) and the Union of South Africa, £P.1,278,818 (£P.3,372,093).

Foreign sources of supply included : Belgium, £P.1,836,070 (£P.624,520) ; Czechoslovakia, £P.2,118,027 (£P.67,014) ; France, £P.1,200,852 (£P.173,081) ; Holland, £P.888,727 (£P.233,540) ; Italy, £P.4,781,696 (£P.879,817); Egypt, £P.1,173,158 (£P.1,224,245) ; Tripolitania, £P.550,097 (£P.12,522) ; Arabia, £P.3,666,665 (£P.137,561); Iraq, £P.8,156,257 (£P.8,090,095) ; Syria and Lebanon, £P.2,752,712 (£P.2,318,469) ; Turkey, £P.4,559,542 (£P.3,061,385) ; Brazil, £P.576,062 (£P.433,537) ; and the United States, £P.5,822,335 (£P.4,638,878).

As regards destinations of exports in the nine months under review, the British Empire and Mandated Territories received £P.8,206,816 (£P.4,315,561). Other recipients included: the United Kingdom, £P.5,970,717 (£P.2,321,028) India, £P.539,708 (£P.500,216) ; Cyprus, £P.429,208 (£P.402,206) ; Malta, £P.356,197 (£P.320,345).

Foreign buyers included : Belgium, £P.1,076,927 (£P.359,089) ; Greece, £P.2,175,536 (£P.1,492,175) ; Italy, £P.434,777 (£P.438,696); Egypt, £P.4,531,679 (£P.3,600,735, Syria and Lebanon, £P.640,165 (£P.596,083) ; Turkey, £P.636,544 (£P.673,621).

Re-exports (previously included in imports) in the first nine months of 1947 reached a total of £P.3,258,883 ; re-exports from bond (not previously included in imports) were valued at £P.496,818, while the transit trade amounted to £P.4,255,305.

PUBLICATIONS RECEIVED

Czechoslovak Economic Bulletin, No. 117 (Ministry of Foreign Trade, Prague).

Royal Bank of Canada : *Report of the Proceedings at the 79th Annual Meeting, Montreal, January* 8, 1948.

Monthly Statistical Bulletin of the British Iron and Steel Federation, Vol. 23, No. 1, January 1948. (Steel House, Tothill Street, London, S.W.1.)

The Ambassador, incorporating *International Textiles*, No. 2, 1948. (I. T. Publications, Ltd., 49 Park Lane, London, W.1.)

The Netherlands Industrial and Commercial, Vol. 11, No. 18, January 1948. (Algemeen Handelsblad, 234-240 N.Z. Voorburgwal, Amsterdam, C.)

Holland Shipping and Trading, Vol. 2, No. 21, January 19, 1948. (Rotterdam, 44's Gravendijkwal.)

Barclays Bank Review, Vol. XXIII, No. 1, February 1948.

Airports and Air Transportation, Vol., 2, No. 56, January 1948. (Clark & Hunter (London), Ltd., 92 Victoria Street, London, S.W.1. Post free 1s. 0d.)

Basic Facts of Health Education. (The Pharmaceutical Press, 17 Bloomsbury Square, London, W.C.1. Price 7s. 6d. net.)

Anglo-American News, Vol. 15, No. 3, March 1948. (American Chamber of Commerce in London, 7 York Buildings, London, W.C.2. Price 6d. ; 7s. 6d. or $1.75 per annum, post free.)

The Empire Cotton Growing Review, Vol. XXV, No. 1., January 1948. (For Empire Cotton Growing Corporation, by Staples Press Ltd., 14 Great Smith Street, London, S.W.1., Price 1s. post free.)

Tanganyika Territory Trade Report, 1946. (Crown Agents for the Colonies, 4 Millbank, London, S.W.1, price 5s. 0d. net.)

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The Corporation do not bind themselves to accept the lowest or any tender.

R. H. G. THOMSON,
Secretary.

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Overseas Trade of Eire in 1947

IN the year under review imports into and exports from Eire were valued at £130,812,035 and £38,802,010, as compared with £72,043,372 and £38,575,172 respectively, states the Department of Industry and Commerce, Dublin. The values of the chief trading classes are shown in the table below :—

Class	Imports		Exports	
	1946	1947	1946	1947
	£	£	£	£
Live animals	2,228,063	3,158,758	19,847,362	22,112,947
Food, drink & tobacco ...	15,576,001	29,962,402	12,723,520	10,950,313
Other raw materials and manufactured goods ...	53,166,634	95,008,308	5,364,496	5,319,476
Parcel post ...	1,072,674	2,682,567	639,794	419,274

Re-exports in 1947 were valued at £942,998, as compared with £395,082 a year earlier.

Bonded Stocks

The quantities of spirits, wines and unmanufactured tobacco in bonded warehouses at December 31 in each year 1946 and 1947 are shown in the following table :—

Description	1946	1947
	Proof gallons	
Spirits :—		
Home-made	8,672,049*	8,851,384*
Foreign, viz :—		
Geneva	8,978	33,621
Rum (including imitation)	18,164	81,932
Brandy	16,012	39,481
All other sorts :—		
Unenumerated, unsweetened ...	16,811*	22,108*
Other sorts	1,074	6,289
Total	8,733,088*	9,034,815*
	gallons	
Wines :—		
In cask	417,685	344,585
In bottle, still	2,789	6,758
In bottle, sparkling	1,795	9,169
Total	422,269	360,512
	lbs.	lbs.
Tobacco unmanufactured :—		
Imported	15,261,562	17,314,774
Home grown	67,282	34,774
Total	15,328,844	17,349,548

Distribution of Trade

The chief sources of imports in 1947 were : Great Britain, £32,004,949, as compared with £36,037,081 a year earlier ; other sources included Northern Ireland, £2,205,004 (£1,557,359) ; Australia, £615,273 (£171,581) ; British East Africa, £166,777 (£137,748) ; India, £4,133,781 (£2,166,265) ; British Malaya, £402,287 (£45,177) ; British West Indies, £407,385 (£344,989) ; Canada, £5,674,039 (£2,881,468) ; Ceylon, £516,685 (£185,629) ; Cyprus, £112,921 (£92,109) ; New Zealand, £459,601 (£281,334) ; Palestine, £517,751 (£330,387) ; the Union of South Africa, £856,821(£144,359) ; Algeria, £203,926 (£300,888) ; Argentina, £4,670,737 (£3,627,812) ; Belgium, £2,939,190 (£934,517) ; Brazil, £845,232 (£2,858,008) ; Canary Islands, £398,934 (£185,568); Chile, £273,901 (£3,959) ; China, £113,594 (£55,837) ; Cuba, £196,767 (£62,943) ; Czechoslovakia, £1,426,780 (£267,202) ; Denmark, £449,471 (£230,655) ; Dutch East Indies, £90,349 (£48,370) ; Dutch West Indies, £2,003,069 (£1,260,972) ; Egypt, £102,925 (£40,503) ; Finland, £1,397,252 (£483,123) ; France, £2,064,789 (£872,972) ; Greece, £296,582 (£5,745) ; Iran, £367,106 (£267,626) ; Italy, £1,909,085 (£586,712) ; Luxembourg, £264,606 (£105,738) ; Mexico, £460,540 (£510,432) ; Morocco, £115,614 (£114,133) ; the Netherlands, £2,878,445 (£656,227) ; Norway, £462,027 (£280,892) ; Peru, £500,058 (£8,303) ; Portugal, £754,874 (£728,308) ; Portuguese East Africa, £400,488 (£255,765) ; Portuguese West Africa, £435,711 (£277,702) ; Spain, £1,715,365 (£1,038,910) ; Sweden, £2,214,482 (£759,058) ; Switzerland, £596,046 (£422,467) ; Turkey, £422,964 (£216,458) ; the United States,£29,114,195 (£8,475,537) ; and Uruguay, £419,655 (£210,328).

As regards exports from Eire in 1947, Great Britain received £27,296,441, as compared with £28,671,948 in 1946 ; other recipients included : Northern Ireland, £7,304,840 (£7,042,972) ; the Union of South Africa, £114,402 (£71,712) ; Belgium, £1,852,731 (£478,305) ; France, £182,658 (£222,141) ; the Netherlands, £962,975 (£825,188) ; Spain, £138,931 (£35,864) ; Switzerland, £224,503 (£104,386) ; and the United States, £286,367 (£578,129).

Great Britain took re-exports to the value of £333,976, as against £164,940 in 1946, while Northern Ireland's share amounted to £244,757 (£109,115).

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New Zealand Imports and Exports, Jan.—June

THE total value of merchandise imports into New Zealand in the first half of 1947 was £52,917,867, as compared with £33,529,271, states the *Monthly Abstract of Statistics* published by the Census and Statistics Department, Wellington. The values of the chief import trading classes in the period under review are shown in the following table :—

Imports	Value	Imports	Value
	£		£
Food, drink and tobacco	6,691,149	Metals and machines	13,531,895
Live animals, animal and vegetable substances	1,044,127	Rubber, leather, timber, glass, cement, etc.	2,287,613
Apparel	2,065,046	Paper and stationery	2,994,201
Textiles, fibres and yarns	9,950,033	Fancy goods, jewellery, films, etc. ...	1,081,702
Oils, fats and waxes	3,140,361	Drugs, chemicals, manures	2,435,971
Paints, minerals ...	479,599	Vehicles	5,134,108
		Miscellaneous ...	2,082,062

Chief Exports

Exports of merchandise in the period January-June 1947 were valued at £70,098,483, as compared with £53,290,394 in the comparable period of 1946.

The chief exports of New Zealand produce in the six months under review were : butter, £16,106,787 ; casein, £287,767 ; cheese, £8,213,051 ; meats, frozen, beef, £1,383,021 ; lamb, whole carcases, £8,032,451 ; mutton, whole carcases, £1,685,752 ; pork, £313,700 ; veal, £121,560 ; meats, other than frozen, canned, £585,462 ; sausage casings, £942,564 ; milk and cream, dried, full cream powder, £187,243 ; other kinds, £570,830 ; preserved, condensed, £356,618 ; grain and pulse, unprepared, peas, £247,315 ; live animals, £199,990 ; hides, skins, undressed, calf, £323,591 ; cattle, £688,948 ; deer, £98,494 ; opossum, £119,685 ; rabbit, £332,913 ; sheep, with wool, £407,301 ; without wool, £3,028,979 ; wool, greasy, £13,606,538 ; other, £6,636,344 ; linen flax (fibre and tow), £94,004 ; seeds, clover, £596,913 ; grass, £239,415 ; other, £101,438 ; tallow, £313,706 ; coal, £50,935 ; kauri gum, £66,000 ; gold, £569,427 ; all machinery and machines, £177,914 ; leather, £43,893 ; timber, sawn, £89,835 ; re-exports totalled £841,968, as compared with £471,302 in the six months ended June 1946.

Distribution of Trade

The principal Empire sources of imports were : the United Kingdom, £22,662,000 ; India, £1,680,000 ; Ceylon, £586,000 ; Australia, £6,913,000 ; Canada, £4,936,000 ; the United States, £9,567,000 ; Belgium, £669,000 ; France, £162,000 ; Norway, £132,000 ; Sweden, £381,000 ; Switzerland, £189,000 ; Iran, £1,018,000 ; Bahrein Islands, £386,000 ; and Tuamotu Archipelago, £368,000.

Foreign sources included the United States, £5,686,000 ; Belgium, £1,129,000 ; France, £2,587,000 ; Italy, £484,000 ; the Netherlands, £947,000 ; Denmark, £272,000 ; Sweden, £238,000 ; China, £147,000 ; and Egypt, £103,000.

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Information for U.K. Exporters

As an information service to Exporters, details are given below of enquiries received from overseas for United Kingdom products. Manufacturers and exporters may obtain the names and addresses of the persons or firms referred to by applying to the Export Promotion Department, 35 Old Queen Street, London, S.W.1 (and quoting the reference number).

Electrical Equipment

The Minister (Commercial), British Embassy, Cairo, has reported that the Ministry of Public Works (Mechanical and Electrical Department) are calling for tenders for the erection of a 25,000 kilowatt power station at Talkha in the North Eastern Delta. The equipment includes main turbo alternator sets, and house turbo sets, together with all auxiliary equipment, such as switchgear, transformers, filter plant, etc.

The closing date for the receipt of tenders is June 15, 1948.

Copies of the plans and specifications are available for inspection in Room 55 of Export Promotion Department, 35 Old Queen Street, London, S.W.1. (Reference 32587/48.)

Indoor Metal-clad Switchgear

The United Kingdom Trade Commissioner at Brisbane has reported that the City Electric Light Co., Ltd., Brisbane, are calling for tenders for 33,000 volt indoor metal-clad switchgear.

The closing date for the receipt of tenders is July 15, 1948.

A copy of the specification is available for inspection in Room 55 of Export Promotion Department, 35 Old Queen Street, London, S.W.1. (Reference 33273/48.)

Textiles

The United Kingdom Senior Trade Commissioner at Pretoria has forwarded copies of Tenders, No. S.O. 600 for supplies of Institution Requisites, No. S.O. 601 for Wearing Apparel, No. S.O. 602 for Cotton and Woollen Piece-goods, issued by the Union Tender Board and Supply Office.

The Union Tender Board expect Tender No. 601 to be met almost entirely and Tender No. 600 to be met in part by Local Industry but expect to place orders for the supply of all piece-goods covered by Tender No. 602 overseas.

The Union Tender Board have reverted to the pre-war system of inviting tenders locally and all orders, whether on local or overseas firms, will be placed through Principals or Agents in the Union.

The closing date for the receipt of Tenders by the Union Tender Board is May 27, 1948.

Copies of the specification and conditions of tender are available for inspection at the Export Promotion Department, 35 Old Queen Street (Room 4), London, S.W.1 (applicants should quote Ref. E.P.D. 33176/48), and at the Manchester Chamber of Commerce, Trade Enquiries Department, Ship Canal House, King Street, Manchester, 2.

Metal-clad Service Cutouts

The United Kingdom Trade Commissioner at Capetown has reported that the City of Capetown Electricity Department are calling for tenders for metal-clad service cutouts.

The closing date for the receipt of tenders is June 2, 1948.

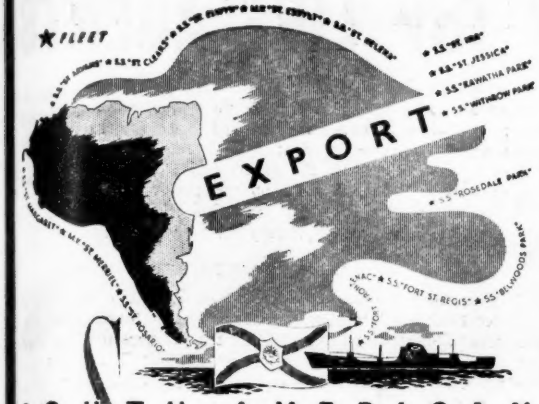
A copy of the specification is available for inspection in Room 55 of Export Promotion Department, 35 Old Queen Street, London, S.W.1. (Reference 33162/48.)

Malayan Rubber Statistics

Imports of dry rubber into the Malayan Union in February last amounted to 15,443 tons, states the Malayan Union Government in London. The principal sources of the rubber were Sumatra, 8,018 tons ; Dutch Borneo, 1,176 tons ; Java and other Dutch Islands, 1,324 tons ; Sarawak, 2,330 tons ; North Borneo, 966 tons ; Burma, 559 tons ; and Siam, 936 tons.

Wet rubber imports in February totalled 6,225 tons (dry weight), the bulk of which came from Sumatra, 5,073 tons, and Dutch Borneo, 893 tons.

Dealers stocks in February amounted to 60,253 tons, 46,677 tons at Singapore and 13,576 tons, Penang and Province Wellesley.



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" 2. "To: Overseas Businessmen who intend visiting this Country for the purpose of making purchases or of securing Agencies."
" 3. "To: Manufacturers in the United Kingdom."
" 4. "To: Merchants in the United Kingdom."
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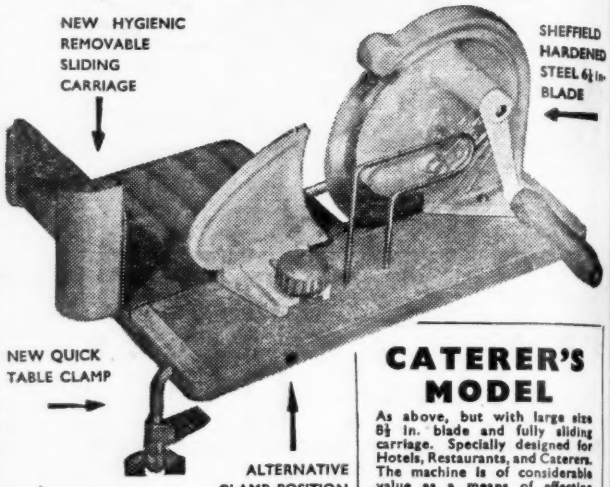

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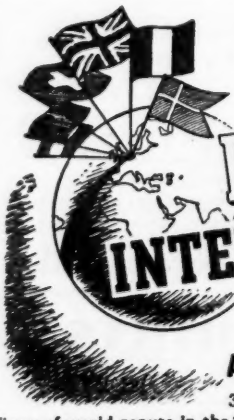

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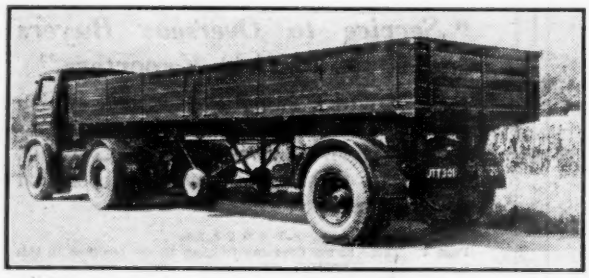

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Customs Regulations and Tariff Changes

Eire Customs Tariff Modifications

THE United Kingdom Trade Commissioner at Dublin has forwarded to the Board of Trade copies of the following Orders, made by the Government of Eire, entitled :—

(1) Emergency Imposition of Duties (No. 230) Order, 1948.

(2) Emergency Imposition of Duties (No. 231) Order, 1948.

which provide as from March 5, 1948, for the revision of the Customs Duties on Beer and Tobacco, particulars of which are given below (see also *Board of Trade Journal* of February 7, 1948, page 305, and previous notices.)

Ref. No.	Description of Article Liable to Duty	Rates of Duty: Full	Rates of Duty: Preferential
		£ s. d.	£ s. d.
18/9	Beer :—		
	All mum, spruce or black beer, Berlin white beer and other preparations (whether fermented or not fermented), of a similar character or which the worts are, or were before fermentation, of a specific gravity		
	Not exceeding 1,215 deg. for every 36 galls.	22 10 0	22 10 0
	Exceeding 1,215 deg. for every 36 galls.	26 8 0	26 8 0
	Of any other description—of which the worts were before fermentation of a specific gravity of 1,055 deg.* for every 36 galls.	5 12 6	5 12 6
	*In the case of beer which is of a gravity different from the gravity aforesaid, the duty shall be varied proportionately.		
231/3	Tobacco :—		
	Unmanufactured :—		
	If stripped or stemmed :—		
	Containing 10 lbs. or more of moisture in every 100 lbs. weight thereof, the lb. ...	1 3 10½	1 3 10½
	Containing less than 10 lbs. of moisture in every 100 lbs. weight thereof, the lb.	1 6 6½	1 6 6½
	If unstripped or unstemmed :—		
	Containing 10 lbs. or more of moisture in every 100 lbs. weight thereof, the lb.	1 3 10	1 3 10
	Containing less than 10 lbs. of moisture in every 100 lbs. weight thereof, the lb.	1 6 6	1 6 6
	Manufactured, viz. :—		
	Cigars, the lb.	1 18 0	1 11 8
	Cigarettes, the lb.	1 16 7	1 10 5⅝
	Cavendish or Negrohead, the lb.	1 14 11	1 9 1⅙
	Cavendish or Negrohead, manufactured in Bond, the lb.	1 10 3	1 5 2½
	Other manufactured tobacco, the lb.	1 10 3	1 5 2½
	Snuff containing more than 13 lbs. of moisture in every 100 lbs. weight thereof, the lb.	1 8 9	1 3 11½
	Snuff not containing more than 13 lbs. of moisture in every 100 lbs. weight thereof, the lb.	1 14 11	1 9 1⅙

U.K.—Argentine Trade and Payments Agreement

THE Agreement on Trade and Payments which was recently concluded between the United Kingdom and the Argentine Governments has now been published as a White Paper (Cmd. 7346). Copies (price 2d. net) may be obtained from H.M. Stationery Office, York House, Kingsway, London, W.C.2, or through any bookseller.

Details of the Agreement were given in the statement by the Chancellor of the Exchequer in the House of Commons on February 16, particulars of which appeared in the *Board of Trade Journal* of February 21 (page 404).

No information has so far been received about the division among specific commodities of the import permits up to £10 million to be allocated for United Kingdom goods the importation of which has hitherto been restricted. Discussions on this subject are in progress between the Minister (Commercial) in Buenos Aires and the Argentine authorities.

As regards the commodities (listed in Schedule 2 of the Agreement) which are particularly requested by the Argentine, the attention of firms who might be interested is drawn to the fact that such purchase and sale will in each case be effected through customary channels of trade.

Argentina

Prior Exchange Permits for Essential Goods : The Minister (Commercial) to H.M. Embassy at Buenos Aires has forwarded a further list of goods for the importation of which prior exchange permits are granted. According to Central Bank Circular No. 938 of February 26, these goods have been added to the list given in Circular No. 849 of September 17, 1947 (see *Board of Trade Journal* of October 18, 1947, page 1813).

In some instances the rate of exchange applicable has been changed as indicated below :—

Tariff No.	Commodity	Exchange rate
1974	Slates for billiard tables, prepared or not, (for billiard table manufacturers only)	—
2211	Beads of refractory material (for manufacturers of motor and dynamo brushes only)	—
2262	Push buttons, for bells	—
3102 (DV.)	Parachutes	—
4500	Liquid rennet	—
4501	Rennet powder	—
4537	Natural sponges used in the manufacture of sanitary earthenware (*)	—
4564	Pyrethrum extract	Auction
4647	Oxy-quinoline iodine chloride	Preferential
4788	Pyrethrum powder	Auction
4957	Pepsamar liquid	Preferential
	*Prior permits will only be granted when the sponges are imported direct by sanitary earthenware manufacturers.	

Raw Materials and Machinery for making Bags : It has been reported by the Minister (Commercial) to H.M. Embassy at Buenos Aires that, to facilitate the development and manufacture in Argentina of sacking and the cultivation of long fibres suitable for textiles used in making bags, the Argentine Government will allow raw materials and machinery for this purpose to be imported free of duty and will grant the preferential rate of exchange for such imports. These concessions are authorized under Decree No. 37,452 of November 28, 1947. Argentine firms which benefit will be required to use available Argentine fibres as directed by the Secretariat of Industry and Commerce and to manufacture prescribed types of fabric. One half per cent. of total gross sales is to be paid into a research fund for the improvement of long fibre production in Argentina.

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United States of America

Regulations under Federal Insecticide, Fungicide and Rodenticide Act: A United States Treasury Decision (T.D.51836), published on February 12, 1948, reproduces regulations issued under the Federal Insecticide, Fungicide and Rodenticide Act (see *Board of Trade Journal* of December 6, 1947), which contain the following provisions regarding invoices of economic poisons and devices:—

"All invoices of economic poisons and devices imported into the United States shall be accompanied by a declaration of the shipper, made before a United States consular officer, as follows:

I,....., the
(*Name in full*)
undersigned, do hereby declare that I am the.....
..... of the merchandise herein
(*Manufacturer or shipper*)
mentioned, which consists of economic poisons or devices or both. None of this merchandise is adulterated or misbranded or otherwise violates the prohibitions set forth in the Federal Insecticide, Fungicide, and Rodenticide Act in any respect, or is dangerous to the health of the people of the United States, or is of a kind forbidden entry into, or forbidden to be sold or restricted in sale in the country in which it is made, or from which it is exported. The merchandise was manufactured in.....by
(*Country*)
.....and is exported from
(*Name of Manufacturer*)
.....consigned to .....
(*City*) (*City*)
Dated at.....this.....day of
....., 19....
.....
(*Signature*)

A copy of the complete regulations can be seen upon application to the Export Promotion Department, Board of Trade, 35 Old Queen Street, London, S.W.1.

Trinidad and Tobago

Trade Duty: Government Notice No. 25, published in the Trinidad *Royal Gazette Supplement* of January 29, 1948, provides for the following additions to the Schedule of articles specified in the Trade Duty Ordinance, 1947 (see *Board of Trade Journal* of October 25, 1947, page 1862, and subsequent notice).

This notice is effective as from January 20, 1948.

Article	*Rate of Trade Duty.*
Floor and wall tiles	10 per cent.
Coloured bath and lavatory accessories ..	10 per cent.
Earthenware	10 per cent.

Cyprus

Import Licensing Regulations: In our issue of March 13, 1948, page 547, we published a notice regarding import licensing in Cyprus. Further information has now been received from the authorities at Nicosia to the effect that:—

The importation of all oat products is prohibited and this item should, therefore, be added to the first list.

A quantitative restriction has been placed on the importation of milk-based baby foods, and this item should consequently be added to the second list.

Import Control in Burma

The *Burma Gazette* of February 21, 1948, contains a copy of Notification No. 22, of February 18, issued by the Commerce and Supply Department of the Government of Burma, which amends as follows Open General Licence No. 1. (See *Board of Trade Journals* of October 25, 1947, page 1858, and February 28, 1948, page 454.)

The following items shall be inserted after Serial No. 10 in the list appearing under O.G.L.I.:—

11	Printed forms, loose or bound, intended for the use of the importers and not for sale, such as an account, statement and insurance forms and cards, coupons, unused account books, cheque books and currency coupon books.	93
12	Calendars and diaries imported for free distribution for purposes of advertisement.	97
13	Brass locks and other manufactures of brass classified as "Hardware" under item No. 236, Burma Customs Tariff (see *Board of Trade Journals* of November 23 and 30, 1946.)	236

U.K. Ministers and Consular Officers

MEMBERS of United Kingdom firms are urged to call upon Export Promotion Department's representatives abroad when they visit an overseas country. Their own representatives abroad are also advised to keep in close touch with the Department's Officers.

The following list giving particulars of H.M. Ministers and Consular Officers who have special responsibility for commercial work is supplementary to the list of Commercial Diplomatic Officers published in the *Board of Trade Journal.*

Europe

Faroe Islands: Commander J. H. Boorman, Vice-Consul, British Vice Consulate, Thorshavn, Faroe Islands.

Iceland: Mr. C. W. Baxter, C.M.G., M.C., H.M. Minister and Consul-General, British Legation, Reykjavik, Iceland.

Luxembourg: Colonel N. Watson, Consul, British Consulate, Luxembourg.

Africa

Belgian Congo: Mr. T. Wikeley O.B.E., Consul-General, British Consulate-General, Leopoldville, Belgian Congo.

Ethiopia: Mr. H. L. Farquhar, C.M.G., M.C., H.M. Minister and Consul-General, British Legation, Addis Ababa, Ethiopia.

French Africa (not including French Morocco): **Algeria:** Mr. Darrell Wilson, Consul-General, British Consulate-General, 26 Boulevard Carnet, Rue Thiers, Algiers, Algeria.

French West Africa: Mr. H. B. Henderson, Consul-General, British Consulate-General, Dakar, Senegal.

Madagascar: Mr. P. I. Lake, M.C., Consul, British Consulate, Antananarivo, Madagascar.

Somaliland: Mr. D. Boam, Consul, British Consulate, Jibuti, Somaliland.

Tunisia: Mr. L. H. Hurst, Consul-General, British Consulate-General, Tunis, Tunisia.

Liberia: Mr. J. Bowering, H.M. Minister and Consul-General, British Legation, Monrovia, Liberia.

Morocco: Rabat: Mr. C. H. Cane, C.B.E. Consul-General, British Consulate-General, Rabat, Morocco.

Casablanca: Mr. J. W. Wall, Consul, British Consulate, Casablanca, Morocco.

Tangier: Mr. W. I. Mallet, C.M.G., Consul-General, British Consulate-General, Tangier, Morocco.

Tetuan: Mr. C. G. Hope Gill, Consul-General, British Consulate-General, Calle Garcia, Hernandez, No. 4, Tetuan, Morocco.

Portuguese East Africa: Beira: Mr. H. M. Reid-Brown, Consul, British Consulate, Casa Infante de Sagres, Beira.

Lourenco Marques: Mr. C. F. W. Andrews, Consul-General, British Consulate-General, 24 Avenida Elias Garcia, Lourenco Marques, Portuguese East Africa.

Portuguese West Africa: Mr. D. O. Fynes-Clinton, Consul, British Consulate, Loanda, Portuguese West Africa.

Asia

Indo-China: Mr. F. S. Gibbs, O.B.E., Consul-General, British Consulate-General, Saigon, Indo-China.

Transjordan: Sir A. S. Kirkbride, C.M.G., O.B.E., M.C., H.M. Minister, British Legation, Amman, Transjordan.

North America

Chicago: Mr. A. H. Marlow, Consul-General, British Consulate-General, 360 North Michigan Avenue, 6, Chicago, U.S.A.

Los Angeles: Mr. C. G. Kemball, Acting Consul-General, British Consulate-General, 448 South Hill, Hill Street, Los Angeles, U.S.A.

New Orleans: Mr. A. S. Calvert, Consul-General, British Consulate-General, 1022 Canal Buildings, 210 Baronne Street, New Orleans, U.S.A.

New York: Sir F. E. Evans, K.C.M.G., Consul-General, British Consulate-General, 61st Floor, Empire State Building, 350 Fifth Avenue, New York 1, U.S.A.

San Francisco: Mr. E. W. Meiklereid, Consul-General, British Consulate-General, Alaska Commercial Buildings, 310 Sansome Street, San Francisco, U.S.A.

Central America

Costa Rica: Mr. F. G. Coultas, C.M.G., H.M. Minister and Consul-General, British Legation, San Jose, Costa Rica.

Cuba: Consul-General, British Legation, Calle San Pedro, 16, Havana, Cuba.

Dominican Republic: Mr. R. D. Macrae, H.M. Minister and Consul-General, British Legation, No. 54 Avenida Independicia, Ciudad Trujillo, Dominican Republic.

Haiti: Mr. A. C. Routh, H.M. Minister and Consul-General, British Legation, Port-au-Prince, Haiti.

South America

Ecuador: Quito: Mr. J. E. M. Carvell, H.M. Minister and Consul-General, British Legation, Quito, Ecuador.

Guayaquil: Mr. F. H. Todd, Consul, British Consulate, Esq. Calle Malecon and Calle San Francisco P. Ycaza, Guayaquil, Ecuador.

Paraguay: Mr. J. R. M. Fell, H.M. Minister and Consul-General, British Legation, Avenida Columbia, Asuncion, Paraguay.

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For further information, apply to Foreign Relations Department, Royal Netherlands Industries Fair, Utrecht.

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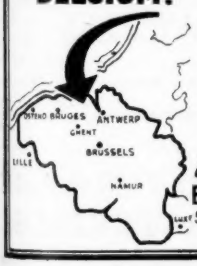

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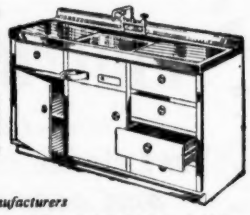

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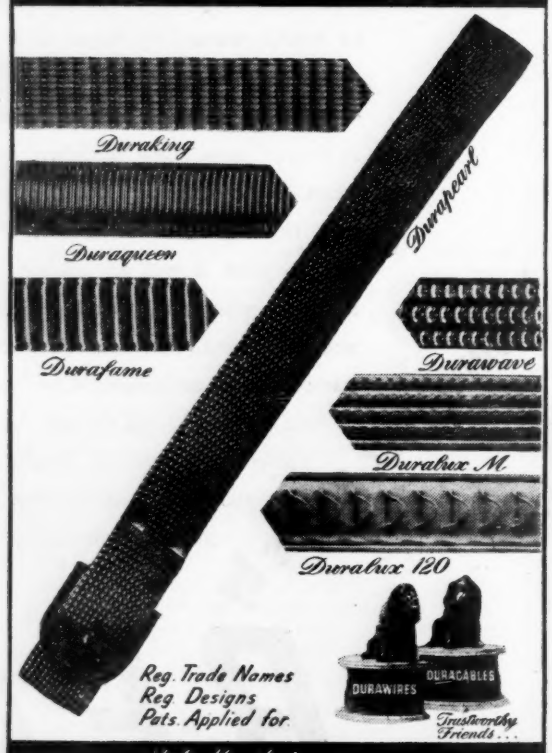

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P101

Exhibitions and Fairs

Soundproof Phone Box at the B.I.F.

A REALLY soundproof phone box, made from laminated plastic, will be exhibited at the British Industries Fair, opening May 3.

The material, which has a high sound absorption factor combined with exceptional rigidity and structural strength, should be of considerable interest to the acoustics specialist.

A thin flexible wood veneer plastic lining will also be shown for the first time. Mainly intended for use as a veneer for furniture and for covering curved surfaces of all kinds, it should prove of considerable interest to the shipbuilding industry which, during recent years, has made considerable use of plastics for bulkheading, panelling and furnishing.

It should be noted that these materials are fire and water proof, resist oils, spirits and corrosives and, in addition, provide good heat insulation. They resist vermin and white ants.

The Plastics section will occupy 25,151 sq. ft. of the ground floor at Earls Court, or 3,857 sq. ft. more than last year.

Fiftieth Utrecht Fair

The next Royal Netherlands Industries Fair, due to take place from April 6 to 15, will be the fiftieth in the series. This "Jubilee" event is to be suitably recognized.

The Utrecht International Fair has, since its foundation in 1916, gradually developed into one of the most important international economic centres, and in the past has always been well patronised both by United Kingdom manufacturers and trade buyers. In the Autumn Fair last year, the international character of the exhibition was well demonstrated by the fact that, out of a total of 2,265 exhibitors, 949 were from abroad, 19 countries being represented. Of these, the United Kingdom was easily first with no less than 211 exhibitors, being followed by the United States with 146, Belgium 119, Switzerland 110 and France 109.

The "Jubilee" Fair promises to be an even greater success. Despite increased accommodation being available, space has been considerably over-applied for and it is understood that some 600 applicants have had to be refused.

With continued industrial and agricultural progress in Holland since the end of hostilities, and with the conclusion of several recent international trade agreements between the Netherlands and other countries, including the United Kingdom, the Utrecht Spring Fair should make an important contribution towards the restoration of the Netherlands economy and the re-establishment of international commerce and understanding.

The following list of trade exhibitions and fairs in the United Kingdom and overseas is compiled from information furnished by the organizers and by the overseas officers of the Export Promotion Department. It will be understood that no responsibility is taken for the standing of the organizations or individuals mentioned and that dates, etc., may be subject to alteration. This list is not exhaustive and further information about these and other events may be obtained from the Exhibitions Division of the Export Promotion Department, 35 Old Queen Street, London, S.W.1. (Victoria 9040.) Recent additions to the list are indicated by an asterisk. *

United Kingdom

1948

SCIENTIFIC ENGINEERING AND FUEL EFFICIENCY EXHIBITION—
March 31–April 17, 1948. At Kelvin Hall, Glasgow. Apply The Secretary at above address.

British Industries Fair, London and Birmingham—
May 3–14. Apply to Export Promotion Dept., 35 Old Queen Street, London, S.W.1, or to Birmingham Chamber of Commerce, 95 New Street, Birmingham.

CORSETRY, UNDERWEAR, ETC., EXHIBITION—
May 4 and 5, 1948. At Park Lane Hotel, Piccadilly, London, W.1. Apply to Circle Exhibitions, Ltd., 47 Hertford Street, W.1. (Tel.: Regent 7557/8.)

JERSEY FASHION SHOW—
May 5–12, 1948. At British Colour Council Salon, 13 Portman Square, London, W.1. Apply to the Apparel and Fashion Industry's Association, 314 Regent Street, London, W.1. (Tel.: Langham 3353.)

EXHIBITION OF BRITISH CARPETS—
* May 12–28, 1948. At New Royal Horticultural Hall, London, S.W.1. Apply to Exhibition of British Carpets, British Colour Council, 13 Portman Square, W.1. (Tel.: Welbeck 4185).

BATH AND WEST AGRICULTURAL SHOW, CARDIFF—
May 26–29, 1948. Apply to Bath and West and Southern Counties Society, 3 Pierrepont Street, Bath.

8TH ANTIQUE DEALERS' FAIR AND EXHIBITION—
June 10–25, 1948. At Great Hall, Grosvenor House, Park Lane, W.1. Apply to Captain C. S. Platts, Room 904, Grosvenor House, Park Lane, W.1. (Tel.: Grosvenor 6363, Extension 904.)

1ST NATIONAL MECHANICAL HANDLING EXHIBITION AND CONVENTION—
July 12-21, 1948. At National Hall, Olympia. Apply to "Mechanical Handling," Dorset House, Stamford Street, London, S.E.1. (Tel.: Waterloo 3333.)

MODEL ENGINEER EXHIBITION—
August 18–28, 1948. At New Royal Horticultural Hall, Westminster, S.W.1. Apply to Messrs. Percival Marshall & Co., Ltd., 23 Great Queen Street, London, W.C.2. (Tel.: Chancery 6681/3.)

MACHINE TOOL AND ENGINEERING EXHIBITION (INTERNATIONAL)—
August 26–September 11, 1948. At Olympia. Apply to the Machine Tool Trades Association, Victoria House, Southampton Row, London, W.C.1. (Tel.: Holborn 4667/8.)

CHEMISTS' EXHIBITION—
September 20–24, 1948. At Central Hall, Westminster London, S.W.1. Apply to the British and Colonial Druggist Ltd., 194–200 Bishopsgate, London, E.C.2. (Tel.: Bishopsgate 2148.)

LONDON DENTAL TRADE EXHIBITION—
September 27–29, 1948. At New Horticultural Hall, Vincent Square, Westminster, S.W.1. Apply to the Association of Dental Manufacturers and Traders of United Kingdom, 14 Clifford Street, London, W.1. (Tel.: Regent 0844.)

INTERNATIONAL COMMERCIAL MOTOR TRANSPORT EXHIBITION—
October 1–9, 1948. At Earls Court, London. Apply to Society of Motor Manufacturers and Traders, Ltd., 148 Piccadilly, London, W.1. (Tel.: Grosvenor 4040.)

FASHION IN FOOTWEAR EXHIBITION—
* October 4–8, 1948. At Grosvenor House, Park Lane, London, W.1. Apply to Exhibition Department "Footwear," Drury House, Russell Street, London, W.C.2. (Tel.: Temple Bar 3422).

62ND ANNUAL DAIRY SHOW—
October 26–29, 1948. At Olympia. Apply to British Dairy Farmers' Association, 17 Devonshire Street, London, W.1. (Tel.: Welbeck 1012.)

INTERNATIONAL MOTOR EXHIBITION—
October 27–November 6, 1948. At Earls Court, London. Apply to Society of Motor Manufacturers and Traders, Ltd., 148 Piccadilly, London, W.1. (Tel.: Grosvenor 4040.)

PUBLIC HEALTH AND MUNICIPAL ENGINEERING CONGRESS AND EXHIBITION—
November 15–20, 1948. At Olympia. Apply to the above, 68 Victoria Street, London, S.W.1. (Tel.: Victoria 9132.)

INTERNATIONAL BICYCLE AND MOTOR CYCLE EXHIBITION—
November 18–24, 1948. At Earls Court, London. Apply to the British Cycle and Motor Cycle Manufacturers and Traders Union, Ltd., The Towers, Warwick Road, Coventry. (Tel.: Coventry 62511–2.)

1949

BRITISH TEXTILE MACHINERY AND ACCESSORIES EXHIBITION—
* October 5–15, 1949. At Belle Vue, Manchester. Apply to Textile Recorder, Machinery and Accessories Exhibition, Ltd., Old Colony House, South King Street, Manchester, 2.

Overseas

1948

LYONS, INTERNATIONAL FAIR—
April 3–12, 1948. Apply to Clifford Martin, Ltd., 33 Regent Street, London, S.W.1. (Tel.: Regent 3051.) Final date for space applications past.

UTRECHT, ROYAL NETHERLANDS INDUSTRIES FAIR (INTERNATIONAL)
April 6–15, 1948. Apply to Mr. W. Friedhoff, Netherlands Chamber of Commerce, Hereford House, 117 Park Street, London, W.1 (Tel.: Mayfair 4641), or to the Foreign Relations Department, Royal Netherlands Industries Fair (International), Vredenburg, Utrecht.

BASLE, SWISS INDUSTRIES FAIR—
April 10–20, 1948. Apply to the Swiss Legation, Division Economique, 18 Montagu Place, London, W.1. (Tel.: Paddington 0701.)

(*Continued on next page*)

Exhibitions and Fairs

(Continued from previous page)

BRUSSELS INTERNATIONAL FAIR—
April 17–28, 1948. Apply to Palais du Centenaire, Brussels.

POZNAN, INTERNATIONAL FAIR—
April 24–May 9, 1948. Apply to Commercial Secretariat, Polish Embassy, 40 Queen Anne Street, London, W.1. (Tel.: Langham 3631.)

MILAN INTERNATIONAL SAMPLES FAIR—
April 29–May 16, 1948. Apply to The Italian Chamber of Commerce for Great Britain and the Commonwealth, 652 Grand Buildings, Trafalgar Square, London, W.C.2. (Tel.: Whitehall 5521.)

AMSTERDAM, INTERNATIONAL AUTOMOBILE SHOW—
April 30–May 9, 1948. At R.A.I. Building. Apply to the Netherlands Association of the Bicycle and Automobile Industry, Amsterdam.

PARIS, INTERNATIONAL TRADE FAIR—
May 1–17, 1948. At Porte de Versailles, Paris. Apply to Miss E. Lambert, 14–15 Rugby Chambers, 2 Rugby Street, London, W.C.1. (Tel.: Chancery 6794.) Final date for space applications past.

VIENNA INTERNATIONAL MOTOR CAR EXHIBITION—
May 5–17, 1948. Apply to British-Austrian Chamber of
* Commerce, Inc., 29 Dorset Square, London, N.W.1. (Tel.: Paddington 7646.)

ZAGREB, INTERNATIONAL SAMPLE FAIR—
May 8–17, 1948. Apply to the Manager, Zagrebacki Velesajam, Savska Cesta, Zagreb, Yugoslavia, or the Commercial Attache, Yugoslav Embassy, 195 Queen's Gate, London, S.W.7. (Tel.: Kensington 3400.)

VALENCIA, INTERNATIONAL SAMPLE FAIR—
May 10–25, 1948. Apply to United Kingdom representative, Mr. R. H. Thornton, 8 Duke Street, London, S.W.1. (Tel.: Whitehall 6674.) Final date for space applications past.

GOTHENBURG NATIONAL SWEDISH INDUSTRIES FAIR—
May 15–23, 1948. Apply to Svenska Massans Kommissariat, Gothenburg 5, Sweden.

ANTWERP, INTERNATIONAL FAIR—
May 15–31, 1948. At Palais des Sports. Apply the Secretary, Foire Internationale d'Anvers at above address.

NEW YORK CITY, NATIONAL MARINE EXPOSITION—
May 17–22, 1948. At Grand Central Palace. Apply to the Secretary, 17 Battery Place, New York, 4.

ROME, INTERNATIONAL EXHIBITION OF SURGERY—
May 18–23, at the University of Rome. Apply to the Secretary, 6th International Congress of Surgeons, University of Rome.

HANOVER EXPORT TRADE FAIR—
May 22–June 5, 1948, at Vereinigte Leichtmetall Works,
* Laatzen. Firms desiring to send representatives to the Fair should notify the German Division of the Board of Trade, not later than April 23, when detailed arrangements for such visits will be forwarded.

LIEGE, "SALON DE LA QUALITE"—
May 22–June 6, 1948. Apply to M. Quintin, Grand Palais, Coronmeuse, Liege, Belgium.

BRUSSELS INTERNATIONAL BUILDING AND PUBLIC WORKS EXHIBITION—
* May 29–June 13, 1948. At Palais du Centenaire, Brussels. Apply to Permanent Secretariat, 326 rue Royale, Brussels.

BRUSSELS, PLASTICS EXHIBITION—
May 29–June 13, 1948. At Palais du Centenaire, Brussels. Apply to Business Travel Organization, 5 Bourne Street, London, S.W.1. (Tel.: Sloane 8295.)

LILLE, INTERNATIONAL COMMERCIAL FAIR—
May 29–June 13, 1948. Apply: Foire Commerciale and Internationale, 69 rue Faidherbe, Lille.

TORONTO, INTERNATIONAL TRADE FAIR—
May 31–June 12, 1948. Apply to the Canadian Government Exhibitions Officer, Canada House, Trafalgar Square, London, S.W.1. (Tel.: Whitehall 8701.) Final date for space applications past.

NEW YORK FASHION FAIR—
June 3–12, 1948. At Madison Square Garden. Apply to Messrs. Aelion & Franses, Ltd., 39–40 Farringdon Street, London, E.C.4. (Tel.: Central 4707/8.)

BARCELONA, INTERNATIONAL TRADE FAIR—
June 10–25, 1948. Apply to United Kingdom agent, Mr. Joaquin Bosch, 109 Whitton Road, Twickenham, Middx. (Tel.: Popesgrove 4822.)

BUDAPEST INTERNATIONAL FAIR—
June 11–21, 1948. (Postponed from May 5). Apply to
* Ultra Displays Ltd., 407a Edgware Road, London, W.2. (Tel.: Ambassador 4147).

MILAN, INTERNATIONAL EXHIBITION OF LIVESTOCK, LIVESTOCK PRODUCTS AND EQUIPMENT—
June 23–30, 1948. Apply to Secretary General, Exhibition Committee, Via dei Bossi 3, Milan. Last date for space applications May 15, 1948.

CASABLANCA INTERNATIONAL FAIR—
June 26–July 11, 1948. Apply to Commissariat General, Foire International de Casablanca, Rue Georges Mercie Casablanca, Morocco.

ATLANTIC CITY, INTERNATIONAL INDUSTRIAL EXPOSITION, INC.—
June 26–September 11, 1948. At Million Dollar Pier. Apply General Manager at above address.

BRUSSELS, FOOD INDUSTRIES EXHIB TION—
July 3–18, 1948. At Palais du Centenaire. Apply to The Secretaire General, Confederation de l'Alimentation Belge, 55 Rue de la Loi, Brussels.

STOCKHOLM, INTERNATIONAL GRAPHIC MACHINE SHOW "IGRAM 1948"—
August 1–9, 1948. Apply Igram 1948, A/B Specialutställningar, Stockholm 5, Sweden.

IZMIR, INTERNATIONAL FAIR, TURKEY—
August 20–September 20, 1948. Apply to the Commercial Counsellor, Turkish Embassy, 47 Elm Park Gardens, S.W.10. (Tel.: Flaxman 4242.)

STOCKHOLM, ST. ERIK'S FAIR—
August 25–September 5, 1948. Apply to St. Erik's-Massan, Stockholm, 5.

GHENT, FLANDERS, INTERNATIONAL FAIR—
August 26–September 6, 1948. Apply to Messrs. S. R. Tippett & Co., Ltd., 110 Cannon Street, London, E.C.4. (Tel.: Mansion House 0646/9.)

TORONTO, CANADIAN NATIONAL EXHIBITION—
August 27–September 11, 1948. Apply to Mr. G. H. Ward, United Kingdom representative, Canadian Chamber of Commerce in Great Britain, Inc., British Columbia House, 3 Regent Street, London, S.W.1. (Tel.: Whitehall 2794.)

THE HAGUE INTERNATIONAL PHOTOGRAMMETRY EXHIBITION—
September 1–10, 1948. At Palace Hotel, Scheveningen,
* The Hague. Apply to the Secretary-General, van Voorschotenlaan 9, The Hague. Last date for space applications May 1.

BUDAPEST INTERNATIONAL FAIR—
September 3–13, 1948. Apply to Ultra Displays Ltd.,
* 407a Edgware Road, London, W.2. (Tel.: Ambassador 4147).

CHARLEROI, INTERNATIONAL EXHIBITION OF PURE AND APPLIED CHEMISTRY—
September 4–20, 1948. At the University. Apply to Secretariat General de l'Exposition, 3 rue de la Fenderie, Charleroi. Final date for space applications, July 31, 1948.

VIENNA, AUTUMN FAIR—
September 5–12, 1948. Apply to The British-Austrian Chamber of Commerce, 29 Dorset Square, London, N.W.1. (Tel.: Paddington 7646.)

BARI, INTERNATIONAL LEVANT FAIR—
September 6–21, 1948. Apply to the Italian Chamber of Commerce for Great Britain and the Commonwealth, 652 Grand Buildings, Trafalgar Square, London, W.C.2. (Tel.: Whitehall 5521.)

UTRECHT, ROYAL NETHERLANDS INDUSTRIES FAIR (INTERNATIONAL)
September 7–16, 1948. Apply to Mr. W. Friedhoff, Netherlands Chamber of Commerce, Hereford House, 117 Park Street, London, W.1 (Tel.: Mayfair 4641), or to the Foreign Relations Department, Royal Netherlands Industries Fair (International), Vredenburg, Utrecht.

MARSEILLES, INTERNATIONAL FAIR—
September 11–27, 1948. Apply to Mr. M. J. Roederer, c/o French Chamber of Commerce, 11 Park Place, St. James's, London, S.W.1. (Tel.: Regent 90–91.)

PRAGUE INTERNATIONAL FAIR—
September 12–19, 1948. Apply to Secretary the Czechoslovak Economic Association, 64 Great Cumberland Place,
* London, W.1. (Tel.: Ambassador 1801).

COPENHAGEN, BRITISH EXHIBITION IN DENMARK—
September 18–October 3, 1948. Apply to the Manager, British Exhibition—Copenhagen, Earls Court Exhibition Building, Earls Court, London, S.W.5. (Tel.: Fulham 5594.)

MELBOURNE, ROYAL AGRICULTURAL SHOW—
September 23–October 2, 1948. Apply to Royal Agricultural Society, Victoria, Australia.

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2. **East and West Ridings.** Regional Office : Pearl Chambers, East Parade, Leeds, 1 ; Sub-office : Fargate House, Fargate, Sheffield, 1 ; District Office : Parliament Chambers, Parliament Street, Hull.

3. **North Midland.** Regional Office : Government Buildings, Chalfont Drive, Nottingham (Tel. : Nottingham 77711) ; District Offices : 18 Millstone Lane, Leicester ; Alliance Chambers, Market Place, Derby ; St. Peter's Chambers, 47 Silver Street, Lincoln ; Britannic House, 33 Bridge Street, Northampton.

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8. **Wales.** Regional Office : Imperial Buildings, Mount Stuart Square Docks, Cardiff. Sub-office : Kingsley House, 33 West Parade, Rhyl, North Wales ; District Office : Exchange Buildings, Adelaide, Street Swansea; Bryn Llwyd, St. David's Road, Caernarvon, (Tel. No. : Caernarvon 131.)

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No. of Patent	Grantee	Subject Matter
493873	Eastwood, A. B. ...	Cut-off machines for castings.
499356	Rasmussen, A.	Matchboxes.
541226	Hausel, C. W.	Apparatus to intensify hearing.
541627	Kapella, Ltd.	Electrical measuring apparatus
541628	Kapella, Ltd.	Electrical measuring apparatus
556975	Kapella, Ltd.	Apparatus for measuring or indicating the roughness or undulations of a surface.
567918	Kapella, Ltd.	Apparatus for measuring or indicating the roughness or undulations of a surface.
566819	Blackburn Aircraft, Ltd., and anr.	Air intake systems for the engines of aircraft.
573288	D. Napier & Sons, Ltd....	Tanks.

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